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Current Economic Analysis S-**41**

Shellfish Market Review

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SHELLFISH MARKET REVIEW

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SUMMARY

Markets for shellfish products were noticeably stronger in the first half of 1978 as increased demand caused prices to rise significantly for shellfish products whose supply is characteristically limited. The strength of the shellfish market is tied, generally, to the behavior of the economy. Although negative elements exist in the current economic situation, there are some positive aspects that are conducive to increasing demand for shellfish; prominent among these are the increasing numbers of people employed and rising real disposable incomes. These factors increase the demand for shellfish; however, the production of many shellfish products is at a peak with little chance of increasing. As a result, prices have been increasing.

Shrimp: The slight increase in total supplies of shrimp in the first half resulted from the high inventories carried over from the previous year. Imports were down and landings were relatively high. Heavy demand led to sharply reduced inventories; this together with lower imports and expectations of lower landings, led to an upturn in prices. Imports of shrimp by Japan were up; demand in that country remains high. The increased value of the yen has given Japanese importers an advantage that has helped increase world prices. Supplies of shrimp in the United States are not expected to increase enough during the second half of the year to meet quantities demanded; therefore, markets should remain firm through the end of the year.

Scallops: Supplies of scallops increased 10 percent in the first half of 1978 and were twice the 1972-76 average. Domestic landings and imports from Canada both continued at high levels. Demand for scallops continued to grow. Scallop prices, although rising, were still relatively low compared to other shellfish items. New supplies of scallops will be declining seasonally in the second half of 1978. Lower supplies will lead to continued strength in the market. Demand for scallops is expected to continue at a high level despite the increased prices.

American Lobster: The supply of American lobster has changed little. Total supplies fell 11 percent from 1977, but were not significantly out of line with historical trends. Exvessel and wholesale prices for American lobster were above year-ago levels, following the trend that has been established for other shellfish products. No significant deviation from the market's historical trend is expected in the second half.

Lobster Tails: Total supplies of lobster tails in the first half of 1978 were marginally below those available in 1977. Prices for warm-water lobster tails rose sharply during the first half, particularly for the 4-, 5-, 6-, and 7-ounce sizes. Brazil was to have begun a moratorium on fishing for lobster in mid-September, but delayed it until November. Markets for lobster tails are likely to remain strong through the end of 1978 and appear to be able to handle a normal volume of imports from Brazil; however, any moratorium would lead to a tighter supply.

King Crab: Production of king crab was seasonally low in the first half of 1978. Wholesale prices for king crab meat were up sharply; prices for sections remained stable. Second-half landings are expected to increase slightly from the previous year, but not enough to overcome the apparent shortages in this market.

Snow Crab: Landings of snow crab reached a record 125 million pounds in the first half of 1978. Despite the increase in landings, prices for snow crab products were rising--evidence of the strong demand for snow crab. Landings of snow crab will be minimal in the second half of 1978, and inventories will decline. Prices should continue high.

OUTLOOK Shellfish markets appear to be strong through the end of 1978, as expected supplies are likely to fall short of quantities demanded. There are reasons for concern, however, that difficulties may be encountered as early as the first quarter of 1979. The difficulties center around the recent actions taken to combat inflation, for example, the increase in interest rates. Rising interest rates should moderate demand in the whole economy and thus ease pressure for increased prices. Consumer demand should soften subsequently, but it is likely that spending will remain high at least through the end of 1978 because of the Thanksgiving-Christmas holidays.

In the first quarter of 1979, two additional factors will come into play. The increased minimum wage and social security taxes will influence restaurant labor costs. With costs up, menu prices are likely to rise, but, at the same time, pressure will increase for lowering the costs of food products. The net result is that demand, particularly at the restaurant level, may slacken. We think that conditions are such that shellfish markets can be affected as early as the first quarter.

Prices for shellfish products should remain at record levels through the end of the year, mostly because of tight supplies. Therefore, going into 1979, further price increases would be less likely and, if demand does soften noticeably, prices could turn lower.

SHRIMP

Total supplies of fresh and frozen shrimp in the first half of 1978 increased slightly from 1977 (table 1). Inventories of frozen shrimp at the beginning of the year were up 31 percent, and this plus moderately higher landings (up 4 percent) offset a 12-percent drop in imports, resulting in increased supplies. Total supplies were 11 percent above the 1972-76 average. Disappearance of shrimp (total supplies less ending inventories) was up 9 percent from 1977 and 16 percent from the 1972-76 average. The major factor in the increased disappearance of shrimp in January-June was a doubling in exports of shrimp.

Table 1.--Supply and utilization of fresh and frozen shrimp, January-June 1977-78 with the 1972-76 average

(Million pounds, heads-off weight)

Component	1972-76 average	1977	1978
Beginning inventory	73.0	61.0	80.2
Landings 1/	50.3	60.4	63.0
Imports	112.6	134.7	119.0
Total supply	236.4	256.1	262.2
Ending inventory	54.4	63.4	51.7
Canned pack 2/	11.1	16.7	13.1
Exports	18.7	13.0	27.6
Apparent consumption	152.2	163.0	169.8

1/ South Atlantic, Gulf of Mexico, and New England only.
2/ Gulf of Mexico only.

Total inventories of frozen shrimp at the beginning of 1978 were 94.3 million pounds (product weight)--22 percent above the 1972-76 average of 77 million pounds. By the end of June, inventories had fallen to 58.6 million pounds--marginally below the average since 1970. The decline in inventories during the first half of 1978 was a seasonal occurrence and was comparable to the declines in 1971, 1973, and 1975.

The reduction in inventories was particularly noticeable in two regions of the country, the Gulf and the Pacific. Inventories in the Gulf region fell from 25 to 12 million pounds. Inventory movements in this region are highly seasonal and mostly influenced by the Gulf production of shrimp. Of greater significance was the reduction in inventories in the Pacific region from 31 to 17 million pounds. Inventories in this region are normally associated with imports of shrimp from Mexico, which, in turn, follow the seasonal trends in landings of shrimp in Mexico. In 1977, unexpected adverse market conditions left these inventories at abnormally high levels. The decline in inventories in this region during the first half of 1978 brought these holdings back into line with historical trends.

Total landings of shrimp in the South Atlantic and the Gulf of Mexico regions rose slightly in the first half (table 2). The New England region had no landings because of restrictions on fishing; landings in 1977 were very low because of the sharp decline in this area's shrimp resources. Landings in the South Atlantic were marginally below last year, but were off sharply from the 1972-76 average. Landings in the Gulf of Mexico were up 6 percent from the previous year.

Table 2.--Landings of shrimp in the New England, South Atlantic, and Gulf of Mexico regions, January-June, 1977-78 with the 1972-76 average

(Million pounds, heads off weight)

Area	1972-76	1977	1978
New England	7.1	0.4	-
South Atlantic	3.4	1.8	1.5
Gulf of Mexico	47.4	58.7	62.0
Total	57.9	60.9	63.5

Total imports of shrimp in January-June were 98.2 million pounds (product weight)--14 percent below 1977, but about the same as that averaged in 1972-76 (table 3). Only imports of peeled raw shrimp, which rose 6 percent, were above the previous year; they were 27 percent above the 1972-76 average. Receipts of raw headless shrimp were down 28 percent from last year; receipts of canned shrimp were off 32 percent.

Table 3.--U.S. imports of shrimp by product type, January-June 1977-78 with the 1972-76 average

(Million pounds, product weight)

Product	1972-76 average	1977	1978
Raw headless	56.8	59.3	42.4
Peeled raw	38.1	45.3	48.3
Canned	1.7	1.7	1.2
Other	4.2	7.5	6.3
Total	99.9	113.9	98.2

The first-half gain in imports of peeled raw shrimp resulted from higher imports in the first quarter of the year when imports from all three major areas, Central America, South America, and Asia, increased. Imports from Asia accounted for 67 percent of the total. In the second quarter, imports of peeled raw shrimp from Asia, particularly India, fell 20 percent below last year, and, as a result, total imports of peeled raw shrimp fell 10 percent below the previous year, even though imports from Central and South America continued to run ahead of 1977. Despite the second quarter decline, imports of peeled raw shrimp from India in January-June were 23 million pounds--10 percent above 1977 and 74 percent above the 1972-76 average; they had been running 40 percent above 1977 in the first quarter.

Imports of raw headless shrimp were off sharply from all areas in the first half. Receipts from Central America, accounting for 65 percent of the total, were 28.2 million pounds--25 percent below last year, but only slightly below the 1972-76 average. Imports from Mexico, although down 24 percent from 1977, were 10 percent above the 1972-76 average. Imports from South America (9.6 million pounds) were 24

percent below 1977 and 43 percent below the 1972-76 average. Imports of raw headless shrimp from Asia (4.3 million pounds) were half the amount imported in 1977 and half the average in the 1972-76 period.

Markets for shrimp were strong in the first half, especially in the second quarter when inventories were reduced as demand strengthened. Apparent consumption of shrimp in the first half of 1977 was a record 169.9 million pounds, and this, coupled with low new supplies available, led to higher prices. After a relatively stable period during the first quarter, prices began rising in the second quarter with particularly strong gains for the under-15 and 15-20 count sizes. The increases returned prices to the levels that had existed before the record Gulf season in 1977. Even prices for smaller shrimp failed to decline significantly in May and June with the opening of the Louisiana brown shrimp season, contrary to normal seasonal movement. Strong market demand in the United States plus the continued presence of Japanese bidders in world markets were the major factors contributing to the strength in prices.

The current strength of the U.S. market is derived from two sources: strong demand and low supplies. Demand for shrimp, because it is a luxury food item, tends to be influenced by general economic conditions. Thus, with the economy continuing to expand and personal incomes rising, demand for shrimp has been increasing. Even as demand for shrimp has been increasing, however, the new supply of shrimp available to the U.S. market has been declining. This decline results from the increased activity of Japanese traders in the market plus the likelihood that United States production of shrimp may decline from the record 1977 level. Together, these factors have led to a very strong market for shrimp.

OUTLOOK

Total supplies of shrimp in the second half of 1978 are expected to be 8 to 10 percent below 1977, but still 6 percent above the 1972-76 average (table 4). Markets are expected to remain strong with prices possibly exceeding the record levels reached in 1976.

Table 4.--Estimated supply and utilization of fresh and frozen shrimp, July-December 1978 with comparisons

(Million pounds, heads-off weight)

Component	1972-76 average	1977	1978
Beginning inventory	54.4	63.4	51.7
Landings 1/	87.6	120.1	101-111
Imports	132.8	130.0	125-130
Total supply	274.8	313.6	277.7-292.7
Ending inventory	71.3	80.2	53.7-82.7
Canned pack 2/	12.4	12.1	12-13
Exports	18.0	21.8	18-21
Apparent consumption	173.1	199.5	180-190

1/ South Atlantic and Gulf of Mexico only.
2/ Gulf of Mexico only.

Landings in the South Atlantic and Gulf of Mexico, although down from the 1977 catch, are expected to be about 20 percent above the 1972-76 average of 88 million pounds.

Landings of shrimp in the South Atlantic in the second half of the year have ranged from 10.6 to 14 million pounds since 1972. In 1977, landings were low in the first half of the year, because of the low survival rate of the white shrimp during the winter. This did not appear to influence landings in the second half even though landings in the second half were down somewhat. In 1978, landings through June were also down, giving an indication that landings in the second half are likely to be lower than normal. We estimate that landings will be about the same as in 1977.

In the Gulf of Mexico, landings have fluctuated widely from year to year, but there has been some correlation between first and second half landings. Second-half landings have ranged from 67 million pounds in 1975 to 107 million pounds in 1977. These landings were preceded by first-half landings of 40 million pounds in 1975 and 59 million pounds in 1977. In the first half of 1978, landings of shrimp were 62 million pounds, and if past trends hold, landings in the second half should also remain high. We estimate that landings in the Gulf of Mexico will be 90 to 100 million pounds in the last 6 months of 1978.

Total imports of shrimp have been generally stable in the second half of the year, ranging from 114 to 118 million pounds (product weight) in most years, although in 1974 imports rose to 125 million pounds. We estimate that imports will be 114 to 118 million pounds, although, if first-half trends continue, imports could be lower. A major factor here will be the continued heavy buying by Japanese traders.

With total supplies of shrimp likely to be lower in the second half of 1978, apparent consumption of shrimp is expected to decline from the previous year. At the same time, demand for shrimp is expected to remain high, and this, in combination with low supplies, should provide for a strong market. In addition, Japanese buying is likely to continue at a high level because of the advantage gained as the yen has increased in value. These factors are likely to keep prices from declining. However, the substantial price advances so far in 1978 are likely to cause a much more volatile market and reduce the probability of further significant near-term prices increases.

One crucial factor determining price trends in shrimp markets will be the strength in demand. As long as demand remains strong, price movements can be predicted on the basis of changes in supplies. When demand for shrimp weakens, the market becomes more volatile, and there is an increased probability of sharp price declines. The strength in demand for shrimp is related to economic conditions. Should economic conditions deteriorate, demand for shrimp would likely drop. At the present time, forecasts of economic conditions give no indication of weakening and, therefore, no weakening in demand for shrimp is expected through the end of 1978.

SCALLOPS

Total supplies of scallops in January-June 1978 increased 10 percent above 1977 and were almost twice the average in 1972-76 (table 5). Inventories at the start of 1978 were 20 percent above those at the beginning of 1977. Domestic landings of sea scallops in the first half increased 12 percent over last year and were three times the 1972-76 average; imports of scallops increased 5 percent over 1977 and were 48 percent above the 1972-76 average. Demand for scallops continued strong; apparent consumption was up 19 percent. Prices for scallops at exvessel and wholesale levels increased sharply to record highs in June, contrary to normal seasonal movements.

Table 5.--Supply and utilization of scallops, January-June 1977-78 with the 1972-76 average

(Million pounds, meat weight)

Component	1972-76 average	1977	1978
Beginning inventory	2.9	4.9	5.9
Landings 1/	4.3	11.4	12.8
Imports	8.8	12.4	13.0
Total supply	16.0	28.7	31.7
Ending inventory	2.3	4.4	2.8
Apparent consumption	13.7	24.2	28.9

1/ Sea scallop landings only.

Inventories of scallops at the beginning of 1978 were at a record high for the first of the year and double the 1972-76 average. By the end of June, inventories had fallen to a level only slightly above the historical average. The decline in inventories is significant because it took place despite the increased supply available from domestic landings and imports. U.S. landings of scallops rose 12 percent in the first half of 1978 and were three times the 1972-76 average. Almost every State recorded significant increases over the previous year, except Massachusetts where landings were only marginally above last year. Landings in Virginia (3.1 million pounds) were twice the amount landed in January-June 1977. New Jersey landings (2.3 million pounds) were almost double the 1977 landings.

Total imports of scallops in January-June were 5 percent above 1977 and 48 percent above the 1972-76 average. Canada was the major supplier, accounting for 90 percent of the total. In the second quarter, 97 percent of total United States imports of scallops came from Canada. Through June, landings of scallops in Canada were 11.8 million pounds--28 percent above 1977.

Prices of scallops reached record levels during the first half. The upsurge in prices began in June, contrary to normal seasonal patterns. Before this, exvessel prices had declined from $2.48 per pound in January to $1.95 in May. Similarly, wholesale prices at New York fell from $2.85 to $2.30. In June and July, however, exvessel prices rose as high as $2.90 per pound but were generally about $2.75 per pound. Wholesale prices rose to $3.25 during this time.

The major cause of these higher prices was strong demand. Two factors have helped to emphasize the extent of this demand. Canadian fishers work under quarterly quotas that govern the amount that can be landed by a vessel in any quarter. In early June, vessels began to reach their quotas and the supply from Canada was limited. The subsequent increased prices did not meet with resistance in the market; as a result, prices remained high. In addition, the oil spill in Northern France reportedly affected scallop production in that country. Although recent reports indicate that the actual damage to scallop resources was minimal, the clam and oyster resources in this area were damaged more extensively and there may have been a psychological impact on the scallop market as a result.

OUTLOOK

Total supplies of scallops in the second half of 1978 are expected to be down slightly from the previous year (table 6). This decline will result from the lower inventories at the beginning of July as both domestic landings and imports will be about the same as last year.

Table 6.--Estimated supply and utilization of scallops July-December 1978, with comparisons

(Million pounds, meat weight)

Component	1972-76 average	1977	1978 Estimate
Beginning inventory	2.3	4.4	2.8
Landings 1/	5.3	12.5	12.2-12.6
Imports	11.9	17.4	17.4-17.8
Total supply	19.4	34.3	32.4-33.2
Ending inventory	3.6	5.9	4.5-5.0
Apparent consumption	15.9	28.4	27.5-28.7

1/ Sea scallop landings only.

The major difference between the 1978 and 1977 markets is the level of prices. Exvessel prices in June, at about $2.75 per pound, were twice the 1977 prices. Wholesale prices in June were also twice the 1977 level. Such price changes usually cause some reaction in the market. It appears, though, that any reaction may not be significant, because prices for other fishery and meat products have risen sharply also. Therefore, even though scallop prices have risen, they are still low compared to other prices.

AMERICAN LOBSTER

Total supplies of American lobster in the first 6 months of 1978 fell 11 percent from the previous year as both domestic landings and imports declined (table 7). Domestic landings were about 20 percent below both 1977 and the 1972-76 average. Imports, however, although down 8 percent from 1977, were only marginally below the 1972-76 average.

Table 7.--Supply of American lobster, January-June 1977-78 with the 1972-76 average

(Million pounds, live weight)

Component	1972-76 average	1977	1978
Landings 1/	5.1	5.2	4.1
Imports	15.6	16.8	15.4
Total supply	20.6	22.0	19.4

1/ At major ports only.

The decline in domestic landings in the first half occurred mostly in the second quarter. Landings in Maine, which accounted for 61 percent of the first half total, were 2.5 million pounds--23 percent below 1977. Since 1970, first half landings of American lobster in Maine have been 3.0 to 3.4 million pounds in each year, except 1972 and 1974 when 2.1 and 2.6 million pounds were landed, respectively.

Landings of American lobster in Canada through June were 22 percent above 1977. Despite higher landings in Canada, United States imports declined (table 8). On a live weight basis, United States imports of American lobster from Canada were down 12 percent for live lobster and 13 percent for lobster in airtight containers. Imports of other lobster products rose 40 percent over 1977, but were the same as the 1972-76 average. Through May 1977, 91 percent of the lobster, in shell, fresh or frozen, exported by Canada was sent to the United States; in 1978, Canadian exports of this product increased slightly, but only 81 percent was sent to the United States.

Table 8.--United States imports of American lobster from Canada, January-June 1977-78 with the 1972-76 average

(Million pounds, live weight)

Product	1972-76 average	1977	1978
Live	9.8	9.7	8.5
In airtight containers	4.4	6.2	5.4
Other	1.4	1.0	1.4
Total	15.6	16.8	15.4

With lower supplies, prices for American lobster reached record highs in the first quarter of 1978. The average monthly exvessel price in Maine reached $3.26 per pound in March, 8 percent above the 1977 high of $3.01. Wholesale prices also reached record highs, but exceeded previous-year highs by less than 5 percent. It is likely that the relatively harsh winter weather in the Northeast adversely affected demand for American lobster, thus dampening price increases. This seems reasonable when viewed in terms of second quarter price movements. In the second quarter, exvessel prices averaged $2.38 per pound--28 percent above 1977 (table 9). Wholesale prices had similar gains.

Table 9.--Average prices for American lobster, first and second quarters, 1977-78

(Dollars per pound)

Item	1977		1978	
	1st qtr	2d qtr	1st qtr	2d qtr
Exvessel 1/	2.96	1.86	3.02	2.38
Wholesale 2/				
CHIX	3.96	2.59	3.85	3.47
1-1/8 lb	3.97	2.59	3.89	3.47
1-1/4 lb	4.01	2.59	4.40	3.48
1-1/2 lb	4.24	2.84	4.40	3.52
2 lb	4.31	2.85	4.64	3.54

1/ At Maine.
2/ At New York, N.Y.

OUTLOOK

Total supplies of American lobster in the second half of 1978 are expected to decline from last year (table 10). We expect domestic landings to fall about 6 percent and imports to have a similar decline. Total supplies, however, will only be slightly below the 1972-76 average.

Prices should follow normal seasonal patterns during this time declining in September and rising in the fourth quarter.

Table 10.--Estimated supply of American lobster, July-December 1978 with comparisons

(Million pounds, live weight)

Component	1972-76 average	1977	1978 estimate
Landings	18.8	19.5	18.0-18.8
Imports			
Live	5.3	4.8	4.7-5.0
In airtight containers	4.5	5.6	4.5-5.0
Other	1.9	1.5	1.5-1.7
Total	11.7	11.9	10.7-11.7
Total supply	30.5	31.4	28.7-30.5

LOBSTER TAILS

Total supplies of lobster tails in the first half of 1978 were marginally below supplies available in 1977 (table 11). Imports increased slightly, but this was offset by a lower inventory position at the beginning of the year. Wholesale prices for warm-water lobster tails rose sharply from January to June, supported by apparently strong demand for lobster tails.

Table 11.--Supply and utilization of lobster tails, January-June 1977-78 with the 1972-76 average

(Million pounds, product weight)

Component	1972-76 average	1977	1978
Beginning inventory	5.2	6.2	5.0
Imports	18.1	18.9	19.3
Total supply	23.3	25.1	24.3
Ending inventory	5.2	5.4	5.2
Apparent consumption	18.1	19.7	19.1

Total inventories of lobster tails at the beginning of 1978 were 20 percent below those beginning 1977 and marginally below the 1972-76 average. Since 1972, inventories have averaged about 5 million pounds during the first 6 months of the year. Current year inventories were in line with this average during most of the first half, but fell below this average at the end of May. The inventory decline occurred even though imports were relatively high. This decline was associated with the high demand that exists in the market and helps explain the sharp price increases for warm-water lobster tails.

Total imports of lobster tails through June were up slightly from 1977 (table 12). Both cold- and warm-water lobster tails increased over the previous year. Imports of cold-water lobster tails were about the same as the 1972-76 average, but imports of warm-water tails were 16 percent above the average.

Table 12.--Imports of lobster tails by country of origin, January-June 1977-78 with the 1972-76 average

(Million pounds, product weight)

Country	1972-76 average	1977	1978
Cold water			
Australia	6.5	6.8	7.0
New Zealand	1.7	1.3	1.5
South Africa	2.9	2.8	2.8
Total	11.1	11.1	11.2
Warm water			
Brazil	2.7	2.1	3.8
Nicaragua	.4	1.3	1.4
Asia	2.1	2.0	1.0
Other	1.8	2.4	1.9
Total	7.0	7.8	8.1
Grand total	18.1	18.9	19.3

Imports of warm-water lobster tails from Nicaragua though June were only slightly above 1977; however, total receipts from all Central American and Caribbean countries were off slightly from 1977. In the second quarter, imports from this area were up 31 percent, largely because of a 35-percent increase for Nicaragua. Imports from Asia in January-June 1978 were half that of 1977 and the 1972-76 average.

Apparent consumption of lobster tails in January-June 1978 was off slightly from 1977, but was 6 percent above the 1972-76 average. Consumption increased in the second quarter because of high imports.

Wholesale prices of lobster tails were relatively stable in the first quarter. Prices of cold-water lobster tails declined temporarily as higher imports led to increased supplies, but demand continued strong. Markets strengthened considerably in the second quarter, particularly for warm-water lobster tails. Wholesale prices for 6- to 8-ounce warm-water lobster tails from Brazil began the second quarter at an average $6.10 per pound. By the end of June, they had increased to about $7.10 per pound. Warm-water lobster tails from Asia increased from $5.55 to $6.65 during the second quarter. Significantly smaller increases were noted for cold-water lobster tails. As a result, the price differential between cold- and warm-water lobster tails narrowed (table 13).

Table 13.--Average wholesale prices for 6- to 8-ounce cold- and warm-water lobster tails, January-June 1978

(Dollars per pound)

Month	Cold-water	Warm-water	Differential
January	$7.52	$5.71	$1.81
February	7.27	5.74	1.53
March	7.31	5.82	1.49
April	7.41	5.93	1.48
May	7.54	6.42	1.12
June	7.58	6.69	.89

Imports of cold-water lobster tails from Australia were the major factor in this market, accounting for 62 percent of total imports of cold-water lobster tails. Imports from South Africa were 25 percent of the total; New Zealand supplied the remaining 13 percent. Receipts from New Zealand were up 9 percent from the first half of 1977, but were still 16 percent below the 1972-76 average. Imports from Australia were marginally above 1977, and imports from South Africa were slightly below last year. A substantial increase in imports of lobster tails from Brazil offset declines from other areas, enabling total imports of warm-water lobster tails to record a modest increase in the first half of 1978. Receipts from Brazil were 83 percent above 1977; this was to be expected because of low production associated with the fishing moratorium in Brazil in 1977 during March and April. There was, however, evidence of above-normal production in Brazil, because imports were also 40 percent above the 1972-76 average. With a new fishing moratorium announced for the last 4 months of 1978, fishing effort apparently increased in the first half, resulting in higher production and increased exports to the United States.

The extent of the price increases in 1978 for warm-water lobster tails indicates significant strength in demand for these lobster tails. It is likely, however, that some part of these increases and the continuing price strength can be attributed to factors that have influenced supplies. The major factor here has been the announced moratorium of fishing for spiny lobster in Brazil beginning in September. This action will limit supplies of warm-water lobster tails in the fourth quarter and has created a need to build up current inventories in order to offset anticipated lower supply.

Because national cold storage figures have not risen significantly since prices began to increase, it is likely that either inventories are not being increased or that inventories are being increased close to the resturant level and not by importers or large brokers, Such inventories would be less likely to influence market prices in the future, suggesting continued strength in the market.

Adding to the influence of the Brazilian moratorium has been the sharp decline in imports from Asia. This led to lower supplies of warm-water lobster tails at a time when demand was increasing. The result was pressure for increased prices.

OUTLOOK

Total supplies of lobster tails in the second half of 1978 are expected to be about 10 percent below those available in 1977, but only moderately below the 1977-76 average (table 14). This estimate is based largely on a 22-percent decline in imports of warm-water lobster tails that will follow the moratorium in Brazil and continued lower receipts from Asia. Much of this decline is expected in the fourth quarter.

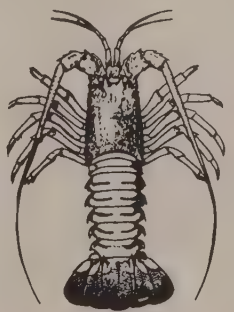
Table 14.--Estimated supply and utilization of lobster tails, July-December 1978 with comparisons

(Million pounds, product weight)

Component	1972-76 average	1977	1978 estimate
Beginning stocks	5.1	5.4	5.2
Imports			
Cold-water	6.5	7.1	6.6-6.9
Warm-water	7.3	7.9	6.0-6.4
Total	13.8	15.0	12.0-13.3
Total supply	18.9	20.4	17.9-18.5
Ending stocks	5.6	5.0	4.0-4-.4
Apparent consumption	13.3	15.4	13.4-14.5

Imports of cold-water lobster tails are also expected to record a slight decline, putting them more in line with the long-term average.

Apparent consumption of lobster tails is also expected to decline, because supplies will be lower. Demand for lobster tails, however, is likely to remain high and should keep markets strong. Lobster tail markets are known to be volatile, so relatively small increases in supplies can significantly affect prices. We would expect restaurants and other users of lobster tails to make adjustments in their menus through pricing and other means in order to feature items other than lobster tails which would possibly shift consumer preferences to those items. Added incentive to make such adjustments has come from the price increases for beef that is often featured by restaurants in combination with lobster tails. With the expected low supplies of lobster tails through the end of the year, we expect no price downturn; however, the market is likely to be more sensitive to seasonal increases in supply in the first quarter of 1979 when price declines seem more likely.



KING CRAB

Total landings of king crab were about 4 million pounds (live weight) in the first half of 1978. The first quarter had most of the landings. The major source of supply during this time was inventories.

Total inventories of king crab at the beginning of 1978 were 28 percent above the previous year. Inventories of king crab normally rise in the first quarter of the year, because they continue to be put into storage following the seasonally high September-December production.

Inventories of king crab meat began the year 39 percent above the previous year (table 15), but by the end of June were about 40 percent below the previous year. This decline tended to emphasize the strong demand for this product. This demand caused an increase in wholesale prices. Before the start of the 1977 king crab season in September 1977, the wholesale price at New York was $7 per pound, but had increased to $9 per pound by the end of June 1978. More recent prices have been about $10.00 per pound.

Table 15.--First of the month cold storage holdings of king crab, 1977-78

(Million pounds, product weight)

Month	1977		1978	
	Meat	Section	Meat	Section
January	5.1	13.4	7.0	16.7
February	5.8	16.2	4.7	19.5
March	5.6	14.5	4.6	17.5
April	6.2	12.0	3.6	17.0
May	4.8	9.9	3.3	17.9
June	4.3	5.9	2.5	17.0
July	3.2	5.2	2.1	14.2

A different situation was shown for king crab sections. Inventories of king crab sections peaked in February, 20 percent above the previous year. By the end of June they were still 69 percent above the previous year. The relatively high inventories have seemingly been an influence on prices. Unlike prices for king crab meat, wholesale prices for king sections have remained steady. In September 1977, the wholesale price at New York for king crab sections was $4.00 per pound; at the end of June 1978, it was still $4.00. The combination of a lack of a significant decline in inventories of king crab sections and steady prices might suggest some weakness in the market. This would be true especially if product was being withheld from the market in order to support prices. It seems more likely, however, that current inventories have already been sold and are not available to the market, meaning that the market is stronger than the high inventory position and steady prices suggest.

In previous years, a strong market enabled wholesale prices for king crab sections to increase beginning in the second quarter. With prices higher at wholesale, exvessel prices starting the new season in September would also increase. This year, because wholesale prices for sections have not been rising, it appears that exvessel prices will be about $1.25 to $1.35 per pound, live weight, at Kodiak, the same as last year.

OUTLOOK

In the second half of 1978, total landings of king crab will be about 90 to 95 million pounds (live weight), the same as in 1977. Lower landings are expected in Kodiak, but slightly higher production may come from the Bering Sea. With production unchanged from previous years, markets should remain strong going into 1979. Only a significant drop in demand could change this outlook and current forecasts do not indicate that demand is likely to weaken through the end of 1978.

Considering the increase in wholesale prices of king crab meat, it would not be surprising to see some increase in production of king crab meat in the new season. If this occurs, wholesale prices for king crab meat could weaken.

SNOW CRAB

Total landings of snow crab in the first half of 1978 were 125 million pounds, live weight--32 percent above 1977 (table 16). Landings from the Bering Sea increased 31 percent; Kodiak had a 61-percent increase.

Table 16--Landings of snow crab, January-June 1977-78 with 1972-76 average

(Million pounds, live weight)

Area	1972-76 average	1977	1978
Kodiak	19.6	20.7	33.3
Bering Sea	6.6	51.5	67.3
Other	24.9	22.2	24.2
Total	51.1	94.4	124.9

Total inventories of snow crab were up sharply in 1978, mostly the result of higher holdings of sections (table 17). Although inventories of snow crab sections began the year only slightly above 1977 levels, by the end of June they had risen to 2-1/2 times the 1977 holdings. Inventories of snow crab sections have since begun to decline as production has ended. Inventories of snow crab meat were unchanged from the previous year.

Table 17.--First of the month cold storage holdings of snow crab January-June, 1977-78

(Million pounds, product weight)

Month	1977	1978
Snow crab meat		
January	1,261	1,506
February	1,473	1,480
March	1,171	1,420
April	2,007	1,659
May	1,334	2,372
June	2,420	2,724
Snow crab sections		
January	1,673	2,187
February	1,912	3,341
March	2,731	3,841
April	3,724	10,575
May	5,602	12,118
June	8,389	23,325

Exports of snow crab through June were 26.1 million pounds, product weight; most of this went to Japan. No data are available for previous years, although total exports of snow crab are believed to have been more than 50 percent of production.

OUTLOOK

Markets for snow crab are expected to continue strong in the second half of 1978; landings and production will be seasonally low, because effort will be concentrated in the king crab fishery.

STATISTICAL APPENDIX

The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department.

Table A1 --Shrimp landings by area, monthly, 1977-78
(Heads-off weight)

Year	New England	South Atlantic	Gulf	Pacific	Total
	Million pounds				
1977					
January	1/	0.1	1.9	6.4	8.5
February	0.2	.4	2.3	2.9	5.7
March	.1	.6	3.3	1.0	4.7
1st quarter	.4	1.1	7.6	10.3	18.9
April	1/	1/	5.4	10.5	15.9
May	1/	.1	19.7	4.8	24.6
June	-	1.0	25.9	16.7	43.6
2d quarter	.1	1.1	51.0	32.0	84.1
July	1/	3.0	20.2	20.0	43.2
August	1/	1.0	22.4	18.9	42.3
September	-	1.5	18.9	17.5	37.9
3d quarter	1/	5.6	61.5	55.3	123.4
October	-	1.0	19.2	6.8	26.9
November	-	1.0	16.1	3.8	20.9
December	-	1.0	11.0	1.5	13.5
4th quarter	-	2.9	46.3	12.1	61.3
1978					
January	1/	.4	6.2	4.4	11.0
February	-	.1	4.1	1.5	5.7
March	-	.1	4.6	.4	5.1
1st quarter	1/	.7	14.9	6.3	21.9
April	-	.1	4.3	2.7	7.1
May	-	.1	16.6	7.6	24.3
June	-	.6	24.7	13.9	39.9
2d quarter	-	.8	45.6	24.2	71.3

1/ Less than 50,000 pounds.
Note: Figures may not add to total because of rounding.

Table A2 .--Shrimp landings by area, annual 1960-77
(Heads-off weight)

Year	New England	South Atlantic	Gulf	Pacific	Total
	Million pounds				
1960	0.1	18.6	122.5	7.1	148.5
1961	1/	11.8	79.5	11.9	103.9
1962	.2	16.5	89.3	13.1	119.2
1963	.3	9.8	128.4	12.1	150.7
1964	.5	11.0	113.3	8.3	133.1
1965	1.2	16.7	122.9	11.5	152.3
1966	2.2	13.6	112.8	19.6	148.3
1967	4.0	13.1	141.4	31.0	190.0
1968	8.3	15.6	128.2	32.2	184.1
1969	16.1	17.4	126.5	35.6	195.0
1970	13.4	13.1	145.3	52.9	224.3
1971	14.0	19.7	143.1	61.4	238.1
1972	13.8	16.2	143.9	62.0	235.9
1973	11.8	15.8	114.8	87.0	229.4
1974	9.9	17.2	117.1	80.2	224.4
1975	6.7	15.8	107.1	78.1	207.6
1976	1.3	16.5	132.2	94.1	244.1
1977	.5	18.0	159.5	109.3	287.4

1/ Less than 51,000 pounds.
Note: Figures may not add to total because of rounding.

Table A3 --South Atlantic and Gulf shrimp landings by State, annual, 1960-77
(Heads-off weight)

Year	North Carolina	South Carolina	Georgia	Florida E. Coast	Florida W. Coast	Alabama	Miss.	La.	Texas	Total
	Million pounds									
1960	3.6	4.8	6.2	4.0	26.5	4.3	6.6	36.8	48.4	141.0
1961	1.8	2.3	4.1	3.6	21.5	2.1	2.6	18.5	35.0	91.4
1962	3.6	4.1	5.5	3.3	20.1	2.3	3.8	27.8	35.2	105.8
1963	2.1	1.4	3.5	2.9	21.9	4.9	5.9	51.7	44.1	138.3
1964	2.7	1.7	3.8	2.9	25.0	4.6	4.0	38.1	41.6	124.3
1965	3.4	4.3	5.5	3.5	23.6	6.0	5.2	39.8	48.3	139.6
1966	3.6	2.7	4.1	3.2	18.1	6.6	4.7	39.6	43.8	126.3
1967	3.1	2.6	4.3	3.2	14.7	9.0	6.0	47.5	64.2	154.5
1968	2.9	4.1	5.5	3.1	17.1	9.6	6.3	42.8	52.3	143.8
1969	4.9	3.7	5.5	3.3	14.4	9.4	5.6	52.7	44.4	143.9
1970	3.2	3.2	3.9	3.0	16.6	9.4	6.0	57.8	55.4	158.5
1971	4.8	6.9	5.7	2.2	13.6	10.5	5.9	58.7	54.4	162.8
1972	3.5	5.2	4.7	2.8	14.3	11.0	4.9	52.7	61.1	160.0
1973	3.2	5.3	5.3	2.0	16.3	7.5	2.3	37.3	51.5	130.6
1974	5.3	4.5	4.7	2.5	17.6	8.7	3.3	37.9	49.4	134.3
1975	3.2	5.5	5.2	1.8	17.6	8.8	2.5	33.9	44.3	122.9
1976	4.1	5.4	5.0	1.9	16.7	11.7	4.7	52.2	46.9	148.7
1977	3.5	2.5	2.9	2.2	20.6	15.6	6.6	66.0	57.4	177.5

Note: Figures may not add to total because of rounding.

Table A4 --South Atlantic and Gulf shrimp landings by species, annual, 1960-77
(Heads-off weight)

Year	Brown	White	Pink	Seabobs	Royal Red	Rock	Total
	Million pounds						
1960	71.5	40.6	27.3	1.7	-	-	141.0
1961	40.7	23.6	25.2	2.0	-	-	91.4
1962	48.6	31.0	23.5	2.6	0.1	-	105.0
1963	60.7	51.8	24.5	1.1	1/	-	138.3
1964	46.6	49.3	28.0	.3	.1	-	124.3
1965	67.5	44.2	27.2	.7	.1	-	139.6
1966	71.2	35.9	18.7	.5	.1	-	136.3
1967	105.9	32.0	16.3	.2	.1	-	154.5
1968	82.6	41.9	18.5	.7	.1	-	143.8
1969	71.1	55.7	16.2	.5	.3	-	143.9
1970	85.4	54.1	16.8	2.1	.1	-	158.5
1971	93.9	54.4	14.0	.3	.2	1/	162.8
1972	94.9	48.7	14.5	1.4	.1	0.4	160.0
1973	61.7	46.0	18.9	3.0	.2	.7	130.6
1974	69.8	39.6	18.5	4.4	.2	1.9	134.3
1975	61.5	38.4	17.3	4.6	.1	1.2	123.1
1976	85.0	45.8	15.9	.7	.2	1.1	148.7
1977	104.6	49.4	17.6	3.4	.2	2.4	177.5

1/ Less than 51,000 pounds.
Note: Figures may not add to total because of rounding.

Table A5 --South Atlantic and Gulf shrimp landings by count size, annual, 1960-77

(Heads-off weight)

Year	Under 15	15-20	21-25	26-30	31-40	41-50	51-67	68 & over	Total
	Million pounds								
1960	2.3	12.6	20.9	20.3	36.4	17.8	14.0	16.8	141.0
1961	2.2	9.0	14.6	13.5	22.3	9.8	7.9	12.0	91.4
1962	2.0	10.1	11.3	12.2	22.8	15.0	12.6	19.1	105.8
1963	2.1	12.4	15.3	17.3	34.6	17.0	18.2	21.2	138.3
1964	3.3	14.5	16.2	15.2	29.0	15.7	15.8	15.0	124.3
1965	2.5	14.1	17.1	15.3	30.0	19.9	18.1	22.0	139.6
1966	3.0	11.8	17.2	14.7	26.1	13.4	17.2	23.6	126.3
1967	2.7	14.3	20.7	20.7	37.2	16.5	16.2	26.1	154.5
1968	2.5	11.0	17.7	18.6	31.7	16.1	18.7	27.4	143.8
1969	2.4	12.4	16.4	16.1	28.9	16.7	19.9	31.1	143.9
1970	2.7	16.4	22.5	19.2	31.3	14.3	19.3	32.2	158.5
1971	3.5	13.4	18.3	17.8	33.3	21.2	19.8	35.5	162.8
1972	3.0	13.9	19.5	17.4	34.9	17.5	20.2	33.4	160.0
1973 1/	2.3	10.6	10.7	13.2	25.5	14.9	19.9	33.2	130.6
1974 2/	2.5	12.1	15.9	14.2	25.3	14.2	15.9	32.4	134.3
1975 3/	1.8	10.4	13.1	12.3	22.6	12.9	18.1	30.7	123.1
1976 4/	2.3	11.6	15.5	15.9	27.0	14.1	21.5	39.6	148.7
1977 5/	1.7	9.9	19.4	18.6	32.9	17.1	27.0	44.4	177.4

1/ Total includes 0.7 million pounds of rock shrimp.
2/ Total includes 1.9 million pounds of rock shrimp.
3/ Total includes 1.2 million pounds of rock shrimp.
4/ Total includes 1.1 million pounds of rock shrimp
5/ Total includes 2.4 million pounds of rock shrimp.

Table A6 --Northern shrimp landings by State, annual, 1960-77

(Heads-off weight)

Year	Pacific					New England			Grand total
	Alaska	Washington	Oregon	California	Total	Maine	Mass.	Total	
	Million pounds								
1960	4.2	1.0	0.7	1.1	7.1	0.1	1/	0.1	7.2
1961	9.1	.8	.8	1.1	11.9	1/	1/	1/	11.9
1962	9.7	.8	1.6	1.0	13.1	.2	1/	.2	13.3
1963	8.6	.6	1.7	1.2	12.1	.3	1/	.3	12.4
1964	4.4	.2	3.0	.6	8.3	.5	1/	.5	8.8
1965	9.6	1/	1.0	.8	11.5	1.2	1/	1.2	12.7
1966	16.1	.2	2.7	.7	19.6	2.2	1/	2.2	21.8
1967	23.8	.6	5.8	.8	31.0	3.9	1/	4.0	35.0
1968	24.0	.7	6.2	1.3	32.2	8.2	0.1	8.3	40.5
1969	27.3	.8	5.9	1.7	35.6	13.8	2.2	16.0	51.6
1970	42.3	.5	7.7	2.3	52.9	9.7	3.6	13.3	66.2
1971	54.1	.4	5.2	1.8	61.4	10.5	3.4	13.9	75.3
1972	47.8	1.0	11.8	1.4	62.0	9.4	4.4	13.8	77.8
1973	68.4	3.1	14.0	1.6	87.0	6.9	4.9	11.8	98.8
1974	62.0	5.3	11.4	1.5	80.2	5.6	4.4	9.9	90.1
1975	56.0	5.5	13.7	2.8	78.1	4.0	2.6	6.7	84.7
1976	73.5	4.8	14.4	1.4	94.1	.8	.5	1.3	95.4
1977	66.6	6.4	27.7	8.6	109.3	.2	.3	.5	109.8

1/ Less than 51,000 pounds.
Note: Figures may not add to total because of rounding.

Table A7 .--U.S. imports of shrimp by product type, monthly, 1976-78
(Product weight)

Month	Raw headless	Raw peeled	Canned	Other	Total	Total heads-off weight
			Million pounds			
1976						
January	11.7	6.5	0.1	0.8	19.1	22.1
February	7.8	6.3	.1	.6	14.8	17.4
March	9.3	8.5	.3	.8	18.9	22.5
1st quarter	28.7	21.3	.5	2.2	52.8	62.0
April	9.0	7.5	.2	.6	17.3	20.3
May	7.5	6.4	.1	1.1	15.1	18.4
June	11.5	7.4	.3	.9	20.0	23.6
2d quarter	28.0	21.3	.6	2.6	52.4	62.3
July	8.8	7.7	.4	1.6	18.5	23.1
August	7.9	6.4	.3	.9	15.5	18.8
September	9.1	6.3	1/	.5	16.0	18.4
3d quarter	25.8	20.4	.7	3.0	50.0	60.3
October	13.7	6.6	.1	.9	21.3	24.5
November	18.1	8.4	.1	1.1	27.7	31.6
December	15.4	8.4	.5	1.3	25.6	30.0
4th quarter	47.2	23.4	.7	3.3	74.6	86.1
1977						
January	10.9	6.8	.1	1.1	18.9	22.2
February	9.2	5.9	.3	1.3	16.7	20.4
March	10.6	8.6	1/	1.9	21.1	26.0
1st quarter	30.7	21.3	.5	4.3	56.7	68.6
April	8.2	8.0	.5	1.3	18.0	22.4
May	9.3	7.3	.4	1.1	18.1	21.9
June	11.1	8.6	.4	1.0	21.1	25.3
2d quarter	28.6	23.9	1.3	3.4	57.2	69.6
July	8.9	7.7	.2	.8	17.6	21.1
August	10.5	6.7	.3	.9	18.4	21.7
September	9.0	5.7	.1	.2	15.0	17.0
3d quarter	28.4	20.1	.6	1.9	51.0	59.8
October	12.8	7.8	.2	.6	21.4	24.3
November	12.4	7.0	.1	.6	20.1	23.0
December	12.8	7.6	1/	1.1	21.5	25.1
4th quarter	38.0	22.4	.3	2.3	63.0	72.4
1978						
January	7.9	7.0	.2	1.0	16.2	19.7
February	7.2	7.9	.1	1.5	16.7	21.1
March	6.5	11.6	.2	1.1	19.6	24.5
1st quarter	21.7	26.6	.6	3.6	52.5	65.3
April	6.4	6.5	.1	1.0	13.9	17.2
May	7.7	7.5	.3	.8	16.2	19.7
June	6.8	7.6	.2	.9	15.6	19.2
2d quarter	20.8	21.6	.6	2.7	45.7	56.1
July						
August						
September						
3d quarter						
October						
November						
December						
4th quarter						

Table A8 --U.S. imports of shrimp by product type, annual, 1960-77
(Product weight)

Year	Raw headless	Raw peeled	Canned	Other	Total	Total heads-off weight
	Million pounds					
1960	93.0	18.1	1/	2.3	113.4	119.1
1961	101.3	20.3	1/	4.7	126.3	134.6
1962	108.6	24.7	1/	7.9	141.2	152.5
1963	111.7	29.5	4.1	6.2	151.5	167.3
1964	112.1	27.4	3.0	12.0	154.6	169.5
1965	114.2	32.0	2.2	14.6	162.9	179.0
1966	129.9	37.2	1.5	9.8	178.5	194.9
1967	131.9	39.0	2.2	13.0	186.1	202.1
1968	128.0	47.5	4.3	9.7	189.5	210.1
1969	121.3	63.8	3.6	5.1	193.7	218.7
1970	140.0	69.5	3.9	5.4	218.7	245.7
1971	123.9	60.1	2.7	4.5	191.3	213.9
1972	126.8	90.1	1.1	5.2	223.2	253.1
1973	123.3	71.4	3.0	4.9	202.6	229.3
1974	132.0	83.2	6.1	7.7	228.9	267.5
1975	117.2	76.7	1.1	6.4	201.5	231.0
1976	129.7	86.4	2.3	11.3	229.8	270.7
1977	125.8	87.8	2.8	11.6	228.0	270.4

1/ Included with other.
Note: Figures may not add to total because of rounding.

Table A9 .--U.S. imports of shrimp by country of origin, January-June 1977 and 1978
(Product weight)

Country	1977	1978	1978 as a percentage of 1977	Percentage of total imports	
				1977	1978*
	Million pounds		Percent		
North America					
Mexico	34.6	29.6	85.5	30.4	30.1
Panama	4.5	3.3	73.3	4.0	3.4
Nicaragua	3.7	3.1	83.8	3.2	3.2
El Salvador	1.7	1.9	111.8	1.5	1.9
Guatemala	1.2	1.5	125.0	1.0	1.5
Honduras	.8	1.0	125.0	.7	1.0
Other	3.3	2.2	66.0	2.9	2.2
Total	49.8	42.6	85.5	43.7	43.4
South America					
Ecuador	4.7	5.5	117.0	4.1	5.6
Colombia	2.4	2.3	95.8	2.1	2.3
Brazil	1.7	1.9	111.8	1.5	1.9
Guyana	1.6	1.7	106.2	1.4	1.7
Surinam	1.8	1.5	83.3	1.6	1.5
Venezuela	2.1	1.0	47.6	1.8	1.0
Other	1.4	.8	57.1	1.2	.8
Total	15.7	14.7	93.6	13.8	15.0
Europe					
Total	1.1	.3	27.3	1.0	.3
Asia					
India	26.3	26.8	101.9	23.1	27.3
Hong Kong	2.2	2.1	95.4	1.9	2.1
Indonesia	2.7	2.0	74.1	2.4	2.0
Thailand	2.5	1.7	68.0	2.2	1.7
Taiwan	1.6	1.5	93.8	1.4	1.5
Bangladesh	2.1	1.4	66.7	1.8	1.4
Iran	2.2	1.0	45.4	1.9	1.0
Other	5.7	3.5	61.4	5.0	3.6
Total	45.3	40.0	88.3	39.8	40.7
Australia & Oceania					
Total	.5	.2	40.0	.4	.2
Africa					
Total	1.5	.4	26.7	1.3	.4
Grand total	113.9	98.2	86.2	100.0	100.0

Table A10-- U.S. imports of shrimp by country of origin, 1976 and 1977
(Product weight)

Country	1976	1977	1977 as a percentage of 1976	Percentage of total imports	
				1976	1977
	Thousand pounds			Percent	
North America					
Mexico	80,398	76,252	94.8	35.0	33.4
Panama	11,617	10,069	86.7	5.0	4.4
Nicaragua	6,517	7,386	113.3	2.8	3.2
Greenland	125	5,383	4306.4	-	2.4
El Salvador	5,565	5,376	96.6	2.4	2.4
Honduras	3,912	4,718	120.6	1.7	2.1
Guatemala	2,671	3,752	140.5	1.2	1.6
Canada	1,279	1,570	122.8	.6	.7
Costa Rica	2,093	1,307	62.4	.9	.6
Trinidad	888	1,246	140.3	.4	.5
Canal Zone	154	793	514.9	.1	.3
Other	405	586	144.7	.2	.2
Total	115,624	118,438	102.4	50.3	51.9
South America					
Ecuador	9,354	8,613	92.1	4.1	3.8
Columbia	6,310	5,667	89.8	2.7	2.5
Guyana	4,162	4,647	11.6	1.8	2.0
Surinam	3,802	3,652	96.0	1.7	1.6
Brazil	1,975	3,538	179.1	.8	1.6
Venezuela	5,841	2,825	48.4	2.5	1.2
French Guiana	1,383	1,560	112.8	.6	.7
Peru	1,057	772	73.0	.4	.3
Other	120	165	137.5	-	.1
Total	34,004	31,439	92.4	14.8	13.8
Europe					
Denmark	8	770	9625.0	-	.3
U. Kingdom	596	405	68.0	.3	.2
Netherlands	231	351	151.9	.1	.2
Spain	483	299	61.9	.2	.1
France	67	211	314.9	-	.1
Rumania	-	71	-	-	-
Iceland	18	24	130.0	-	-
Other	50	23	46.0	-	-
Total	1,453	2,154	148.2	.6	.9
Asia					
India	41,622	41,111	98.8	18.1	18.0
Indonesia	4,607	4,571	99.2	2.0	2.0
Thailand	3,264	4,208	128.9	1.4	1.8
Hone Kong	5,066	3,881	76.6	2.2	1.7
Taiwan	5,139	3,592	69.9	2.2	1.6
Bangladesh	3,816	3,360	88.0	1.7	1.5
Iran	876	2,953	337.1	.4	1.3
Malaysia	2,344	2,246	95.8	1.0	1.0
Other	8,494	6,709	79.0	3.7	2.9
Total	75,228	72,631	96.5	32.7	31.8
Australia & Oceania	768	832	108.3	.3	.4
Africa	2,733	2,522	92.3	1.2	1.1
Grand total	229,810	228,016	99.2	100.0	100.0

Table A11.--U.S. exports of shrimp by product type, annual, 1960-77
(Product weight)

Year	Domestic			Foreign			Grand total
	Fresh & frozen	Canned	Total	Fresh & frozen	Canned	Total	
	Million pounds						
1960	3.0	3.5	6.6	0.8	1/	0.8	7.4
1961	4.8	2.5	7.4	4.7	1/	5.1	12.5
1962	3.5	2.2	5.4	2.0	1/	2.1	7.9
1963	8.1	3.2	11.4	5.7	1/	5.8	17.1
1964	7.9	3.7	11.7	7.3	1/	7.3	19.0
1965	6.8	4.5	11.3	8.0	1/	8.0	19.4
1966	4.9	4.5	9.4	11.4	1/	11.4	20.8
1967	8.1	5.3	13.4	15.9	1/	15.9	29.3
1968	12.1	4.5	16.6	8.3	1/	8.3	24.9
1969	25.2	5.7	30.9	10.5	1/	10.6	41.5
1970	29.6	6.1	35.6	14.7	1/	14.7	50.4
1971	30.0	8.3	38.3	10.5	1/	10.5	48.8
1972	29.0	8.4	37.4	6.1	1/	6.1	43.5
1973	37.4	9.9	47.4	10.2	1/	10.3	57.6
1974	27.7	6.9	34.6	6.4	1/	6.4	41.0
1975	28.1	6.2	34.3	6.6	1/	6.6	40.9
1976	23.3	7.8	31.1	9.1	1/	9.2	40.3
1977	26.1	9.0	35.1	8.7	1/	8.7	43.8

1/ Less than 51,000 pounds.
Note: For 1960-77, total includes small amounts of cured and dried shrimp products. Figures may not add to total because of rounding.

Table A12.-- First-of-the-month cold storage holdings of shrimp, monthly, 1975-78
(Product weight)

Month	Raw headless	Breaded	Peeled	Unclassified	Total	Total heads-off weight
	Million pounds					
1975						
January	38.7	10.4	23.5	8.4	81.0	76.2
February	34.3	9.8	23.6	7.6	75.3	71.4
March	31.5	9.4	22.4	7.1	70.4	66.8
April	25.1	8.5	21.7	5.5	60.8	58.7
May	21.7	7.3	17.6	6.0	52.5	49.4
June	20.6	6.9	14.6	5.0	47.1	44.1
July	22.5	7.2	13.6	4.6	48.0	45.0
August	21.6	6.8	13.1	7.2	48.7	43.3
September	21.4	7.6	11.8	6.0	46.7	41.9
October	21.2	7.6	12.2	6.5	47.6	42.4
November	26.3	8.2	10.9	7.5	52.8	46.1
December	29.6	9.2	11.8	8.8	59.5	51.5
1976						
January	26.5	8.9	11.2	9.3	55.9	47.4
February	24.0	8.2	9.9	8.3	50.4	42.7
March	20.3	7.4	9.8	8.6	46.1	38.4
April	19.1	8.2	11.9	9.0	48.2	40.4
May	16.1	8.3	10.5	9.5	44.3	35.6
June	14.4	8.4	12.0	8.6	43.4	35.9
July	17.4	8.5	14.4	9.4	49.7	42.1
August	20.8	7.9	13.8	11.8	54.4	44.7
September	22.9	8.1	15.1	13.6	59.6	48.6
October	27.7	8.2	14.6	13.2	63.8	52.9
November	31.1	7.6	14.7	15.7	69.1	56.3
December	44.3	7.6	13.6	14.6	80.0	67.9
1977						
January	39.2	6.9	12.6	14.2	72.9	61.0
February	40.2	6.6	13.0	14.1	73.8	62.4
March	34.0	6.4	12.6	13.5	66.4	55.5
April	33.1	6.2	12.6	11.8	63.7	54.3
May	30.3	6.4	13.3	13.4	63.3	52.7
June	31.8	6.4	14.9	14.7	67.8	56.4
July	35.6	5.5	18.0	13.4	72.4	63.4
August	38.1	5.0	19.3	15.6	77.9	68.4
September	40.7	5.4	20.4	15.5	82.2	71.9
October	44.3	5.2	19.6	19.7	88.8	74.6
November	50.4	5.6	17.4	19.3	92.7	78.1
December	52.2	6.3	19.0	18.4	95.9	82.4
1978						
January	50.3	7.1	18.4	18.5	94.3	80.2
February	48.8	7.3	18.9	17.3	92.4	79.4
March	40.2	5.9	16.1	15.3	77.5	66.1
April	34.4	5.9	15.6	14.8	70.7	59.6
May	29.6	5.8	16.9	13.9	66.3	56.3
June	25.3	5.8	15.7	11.9	58.7	50.2
July	24.9	5.6	17.3	10.8	58.7	51.7
August						
September						
October						
November						
December						

Table A13--Supply and utilization of all shrimp, monthly, 1976-77
(Heads-off weight)

Month	Supply				Utilization					
						Exports				Apparent consumption
	Beginning stocks	Landings	Imports	Total	Ending stocks	Fresh & frozen	Canned	Foreign shrimp	Total	Per capita
	Million pounds									Pounds
1976										
January	47.4	12.3	22.1	81.8	42.7	1.8	1.1	0.6	35.6	0.166
February	42.7	12.0	17.4	72.1	38.4	1.8	.8	.3	30.8	.144
March	38.4	5.7	22.5	66.6	40.4	1.7	.8	.4	23.3	.109
1st quarter	47.4	30.0	62.0	139.4	40.4	5.3	2.7	1.3	89.7	.419
April	40.4	6.5	20.3	67.2	35.6	2.3	2.3	.4	26.6	.124
May	35.6	22.6	18.4	76.6	35.9	1.3	1.0	.3	38.1	.178
June	35.9	34.5	23.6	94.0	42.1	1.5	.5	.4	49.5	.231
2d quarter	40.4	63.6	62.3	166.3	42.1	5.1	3.8	1.1	114.2	.533
July	42.1	36.2	23.1	101.4	44.7	1.9	2.0	.5	52.3	.243
August	44.7	26.4	18.8	89.9	48.6	1.7	1.5	.7	37.4	.174
September	48.6	34.8	18.4	101.8	52.9	1.6	1.5	.5	45.3	.211
3d quarter	42.1	97.4	60.3	199.8	52.9	5.2	5.0	1.7	135.0	.628
October	52.9	28.9	24.5	106.3	56.3	1.9	.5	.6	46.0	.218
November	56.3	15.5	31.6	103.4	67.9	3.2	1.4	2.7	28.2	.131
December	67.9	7.8	30.0	105.7	61.0	2.7	1.2	1.5	39.3	.182
4th quarter	52.9	52.2	86.1	191.2	61.0	7.8	4.1	4.8	113.5	.527
1977										
January	61.1	9.3	22.3	92.6	62.4	1.4	1.0	.6	27.2	.126
February	62.4	5.6	20.4	88.4	55.5	1.2	.6	.6	30.5	.141
March	55.5	4.7	26.0	86.2	54.3	1.3	.3	.4	29.9	.139
1st quarter	61.0	19.6	68.7	149.3	54.3	3.9	1.9	1.6	87.6	.406
April	54.3	6.1	22.4	82.8	52.7	1.5	.3	.7	27.6	.128
May	52.7	29.0	21.9	103.6	56.4	1.7	.9	1.3	43.3	.200
June	56.4	40.9	25.3	122.6	63.4	1.9	3.6	.4	53.3	.247
2d quarter	54.3	76.0	69.6	199.9	63.4	5.1	4.8	2.5	124.1	.575
July	63.4	42.0	21.1	126.5	68.4	2.8	3.6	.4	51.3	.238
August	68.4	39.1	21.7	129.2	71.9	2.4	1.6	.7	52.6	.244
September	71.9	36.0	17.0	124.9	74.6	3.3	1.5	.6	44.9	.207
3d quarter	63.4	117.1	59.8	240.3	74.6	8.4	6.7	1.8	148.8	.689
October	74.6	25.9	24.3	124.8	78.1	2.7	1.7	1.0	41.3	.190
November	78.1	21.1	23.0	122.2	82.4	3.2	1.4	1.4	33.8	.156
December	82.4	11.9	25.1	119.4	80.2	2.8	1.4	.4	34.6	.159
4th quarter	74.6	58.9	72.4	205.9	80.2	8.7	4.5	2.8	109.7	.503
1978										
January	80.2	11.0	19.7	110.9	79.4	2.4	1.0	.8	27.3	.125
February	79.4	5.7	21.1	106.2	66.1	3.4	.3	1.8	34.6	.159
March	66.1	5.1	24.5	95.7	59.6	5.0	.3	.6	30.2	.138
1st quarter	80.2	21.8	65.3	167.3	59.6	10.9	1.6	3.2	92.0	.442
April	59.6	7.1	17.2	83.9	56.3	4.4	.3	1.5	21.4	.098
May	56.3	24.3	19.2	100.3	50.2	3.6	.4	.7	45.4	.208
June	50.2	39.9	19.7	109.3	51.7	2.6	1.2	.7	53.1	.244
2d quarter	59.6	71.3	56.1	187.0	51.7	10.6	1.9	2.9	119.9	.550

Note: Figures may not add to total because of rounding.

Table A14.--Supply and utilization of fresh and frozen shrimp, monthly, 1976-78
(Heads-off weight)

Month	Supply				Utilization						
						Exports			Apparent consumption		
	Beginning stocks	Landings	Imports	Total	Ending stocks	Fresh & frozen	Foreign shrimp	Canned pack 1/	Total	Per capita
	Million pounds									Pounds
1976										
January	47.4	5.5	21.9	74.8	42.7	1.8	0.6	0.1	29.6	0.138
February	42.7	4.9	17.2	64.8	38.4	1.8	.3	2/	24.3	.113
March	38.4	4.4	21.9	64.8	40.4	1.7	.4	-	22.2	.106
1st quarter	47.4	14.8	61.1	123.3	40.4	5.3	1.3	.2	76.1	.357
April	40.4	4.5	19.9	64.8	35.6	2.3	.4	-	26.4	.123
May	35.6	16.1	18.2	70.0	35.9	1.3	.3	5.2	27.1	.126
June	35.9	23.0	23.1	82.0	42.1	1.5	.4	7.7	30.2	.141
2d quarter	40.4	43.7	61.2	145.3	42.1	5.1	1.1	12.9	83.9	.390
July	42.1	20.4	22.4	85.2	44.7	1.9	.5	3.2	34.9	.163
August	44.7	16.3	18.2	79.2	48.6	1.7	.7	1.3	26.9	.125
September	48.6	18.8	18.3	85.8	52.9	1.6	.5	.6	30.1	.140
3d quarter	42.1	55.8	58.9	156.9	52.9	5.2	1.7	5.2	91.9	.428
October	52.9	17.3	24.3	94.5	56.3	1.9	.6	1.9	33.8	.157
November	56.3	11.3	31.3	98.9	67.9	3.2	2.7	1.4	23.8	.111
December	67.9	6.0	29.1	102.9	61.0	2.7	1.5	.4	37.2	.173
4th quarter	52.9	34.6	84.7	172.2	61.0	7.8	4.8	3.7	94.8	.441
1977										
January	61.0	3.0	22.0	86.1	62.4	1.4	.6	.1	21.5	.099
February	62.4	2.8	19.8	85.0	55.5	1.2	.6	.2	27.6	.128
March	55.5	3.8	25.8	85.0	54.2	1.3	.4	-	29.0	.134
1st quarter	61.0	9.6	67.6	138.2	54.2	3.8	1.6	.3	78.2	.362
April	54.2	5.2	21.5	81.0	52.7	1.5	.7	-	26.1	.120
May	52.7	19.8	21.0	94.0	56.4	1.7	1.3	7.5	26.6	.123
June	56.4	26.4	24.6	107.3	63.4	1.9	.4	8.8	32.8	.151
2d quarter	54.2	51.5	67.1	172.8	63.4	5.1	2.5	16.3	85.6	.395
July	63.4	23.7	20.7	107.8	68.4	2.8	.4	1.6	34.6	.159
August	68.4	24.0	21.0	113.4	71.9	2.4	.7	1.5	37.0	.170
September	71.9	20.6	16.8	109.3	74.6	3.3	.6	1.4	29.4	.135
3d quarter	63.4	68.4	58.5	190.3	74.6	8.4	1.8	4.6	100.9	.465
October	74.6	20.7	23.8	119.1	78.1	2.7	1.0	2.7	34.6	.159
November	78.1	17.3	22.8	118.2	82.4	3.2	1.4	2.8	28.3	.130
December	82.4	10.8	25.0	118.2	80.2	2.8	.4	2.8	28.3	.130
4th quarter	74.6	48.8	71.6	195.0	80.2	8.7	2.8	7.5	95.7	.440
1978										
January	80.2	6.6	19.2	106.0	79.4	2.4	.8	.4	23.0	.106
February	79.4	4.2	20.9	104.5	66.1	3.4	1.8	2/	33.1	.152
March	66.1	4.7	24.0	94.8	59.6	5.0	.6	-	29.6	.136
1st quarter	80.2	15.6	64.0	159.9	59.6	10.9	3.2	.5	85.7	.394
April	59.6	5.4	17.0	82.0	56.3	4.4	1.5	-	19.8	.091
May	56.3	16.7	19.2	92.2	50.2	3.6	.7	4.5	33.1	.152
June	50.2	25.3	18.8	94.3	51.5	2.6	.7	8.1	31.3	.144
2d quarter	59.6	47.4	54.9	162.0	51.5	10.6	2.9	12.6	84.2	.387

1/ Gulf States only.
2/ Less than 50,000 pounds.

Note: Figures may not add to total because of rounding.

Table A15--Supply and utilization of all shrimp annual, 1960-77
(Heads-off weight)

Year	Supply				Utilization					
						Exports			Apparent consumption	
	Beginning stocks	Landings	Imports	Total	Ending stocks	Fresh & frozen	Canned	Foreign shrimp	Total	Per capita
	Million pounds									Pounds
1960	46.0	148.5	119.1	313.6	51.0	3.0	7.2	0.8	251.6	1.398
1961	51.0	103.9	134.6	289.5	26.2	4.8	5.1	4.7	248.3	1.357
1962	26.2	119.2	152.5	297.9	27.9	3.5	4.4	2.0	250.0	1.346
1963	37.9	150.7	167.3	355.9	55.8	8.1	6.6	5.7	279.6	1.483
1964	55.8	133.1	169.5	354.4	45.5	7.9	7.6	7.3	290.1	1.518
1965	45.5	152.3	179.0	376.8	38.2	6.8	9.2	6.0	316.6	1.636
1966	38.2	148.2	194.9	381.4	42.5	4.9	9.2	11.4	313.4	1.602
1967	42.5	190.0	202.1	434.6	57.6	8.1	10.9	15.9	342.1	1.732
1968	57.6	184.1	210.1	451.8	55.8	12.1	9.2	8.3	366.4	1.838
1969	55.8	195.0	218.7	469.5	62.5	25.2	11.7	10.5	359.5	1.785
1970	62.5	224.3	245.7	532.5	72.2	29.6	12.5	14.7	403.5	1.980
1971	72.2	238.1	213.9	523.2	69.9	30.0	17.0	10.5	396.8	1.924
1972	69.9	235.9	253.1	559.0	92.7	29.0	17.1	6.1	414.1	1.989
1973	92.7	229.4	229.3	551.4	79.0	37.4	20.1	10.2	404.7	1.924
1974	79.0	224.4	267.5	570.9	76.2	27.7	13.9	6.4	446.7	2.113
1975	76.2	207.6	231.0	514.8	47.4	28.1	12.5	6.6	420.2	1.972
1976	47.4	243.0	270.7	561.1	61.0	23.3	15.7	9.1	452.0	2.106
1977	61.0	287.4	270.4	618.8	80.2	26.1	18.1	8.7	485.7	2.238

Note: Figures may not add to total because of rounding.

Table A16--Supply and utilization of fresh and frozen shrimp, annual, 1960-77
(Heads-off weight)

Year	Supply				Utilization					
	Beginning stocks	Landings	Imports	Total	Ending stocks	Exports: Fresh & frozen	Exports: Foreign shrimp	Canned pack	Apparent consumption: Total	Apparent consumption: Per capita
	Million pounds									Pounds
1960	46.0	148.5	119.1	313.6	51.0	3.0	0.8	28.8	230.0	1.278
1961	51.0	103.9	134.6	289.6	26.2	4.8	4.7	18.8	235.0	1.284
1962	26.2	119.2	152.5	297.9	37.9	3.5	2.0	26.8	227.7	1.226
1963	37.9	150.7	159.0	347.6	55.8	8.1	5.7	32.1	245.9	1.305
1964	55.8	133.1	148.5	337.4	45.5	7.9	7.3	19.7	257.0	1.345
1965	45.5	152.3	174.6	372.4	38.2	6.8	6.0	31.6	289.8	1.498
1966	38.2	148.3	191.9	378.4	42.5	4.9	11.4	28.7	290.9	1.487
1967	42.5	190.0	197.7	430.2	57.6	8.1	15.9	34.0	314.6	1.593
1968	57.6	184.1	201.4	443.1	55.8	12.1	8.3	38.3	328.6	1.648
1969	55.8	195.0	211.4	462.2	62.5	25.2	10.5	41.9	322.1	1.599
1970	62.5	224.3	237.8	524.6	72.2	29.6	14.7	50.8	357.3	1.753
1971	72.2	238.1	208.4	518.7	69.9	30.0	10.5	45.1	363.2	1.761
1972	69.9	236.0	250.9	556.8	92.7	29.0	6.1	48.1	380.9	1.829
1973	92.7	229.4	223.2	545.3	79.0	37.4	10.2	51.0	367.7	1.748
1974	79.0	224.4	255.2	558.6	76.2	27.7	6.4	44.7	403.6	1.909
1975	76.2	207.6	228.7	512.5	47.4	28.1	6.6	27.0	403.4	1.893
1976	47.4	243.0	266.0	556.4	61.0	23.3	9.1	42.1	420.9	1.961
1977	61.0	287.4	264.8	613.2	80.2	26.1	8.7	47.8	450.4	2.075

Note: Figures may not add to total because of rounding.

Table A17-- Production of shrimp by product type, annual, 1960-76
(Product weight)

Year	Fresh and frozen						Canned		Cured
	Raw headless	Peeled and deveined: Raw	Peeled and deveined: Cooked	Breaded raw and cooked	Cooked whole	Specialties	Regular	Specialties	
	Million pounds								
1960	78.1	19.3	2.9	70.3	na	5.8	14.3	0.2	0.7
1961	46.4	17.2	2.6	73.8	na	5.7	9.3	.3	.4
1962	51.2	18.1	3.1	76.8	na	5.5	13.2	.3	.4
1963	66.4	22.2	2.3	76.2	na	5.1	15.9	.4	.5
1964	64.5	23.1	3.6	91.3	na	7.8	9.7	.6	.2
1965	64.4	23.5	4.1	98.1	na	9.7	15.6	.6	.3
1966	62.2	24.7	5.4	104.9	na	9.7	14.2	.8	.3
1967	101.1	32.2	7.1	94.2	na	12.1	16.9	1.0	.4
1968	79.2	32.7	13.3	103.0	na	17.3	19.0	1.2	.6
1969	85.3	33.3	16.2	105.6	10.1	18.9	20.7	1.1	.7
1970	92.3	38.4	20.1	105.0	7.7	17.4	25.1	.9	.8
1971	94.1	34.3	20.7	104.6	8.7	16.6	22.3	.8	.7
1972	90.9	30.0	22.7	107.4	7.3 1/	12.9	23.8	2.8	.6
1973	87.2 2/	24.3	25.4	111.9	3.7	13.9	25.2	2.8	.3
1974	81.3 2/	22.6	17.2	91.8	2.0	12.5	22.1	2.1	.5
1975	69.9 2/	22.1	14.4	97.7	.9	11.8	12.4	2.3	.6
1976	102.9 2/	33.2	18.9	95.9	-	10.3	20.0	.2	.4

1/ Includes sections, cooked.
2/ Includes heads-on, fresh and frozen.
na - Not available.
Note: Data do not include raw headless shrimp domestically landed or imported that enter marketing channels directly without further processing.

Table A18--Exvessel, wholesale, and retail prices of raw headless shrimp, monthly, 1975-78

Month	Exvessel 1/			Wholesale 2/			Retail 3/	
	21-25	31-40	51-67	21-25	31-40	51-60	21-25	36-42
	Dollars per pound							
1975								
January	1.59	1.26	0.84	1.94	1.62	1.21	2.88	2.54
February	1.82	1.46	.98	2.19	1.75	1.30	2.84	2.54
March	2.07	1.63	1.13	2.49	1.94	1.44	3.04	2.56
April	2.32	1.84	1.28	2.79	2.18	1.64	3.50	3.01
May	2.65	2.08	1.37	3.07	2.56	1.76	4.22	3.44
June	2.55	1.95	1.23	3.01	2.49	1.75	4.08	3.42
July	2.56	1.95	1.26	2.92	2.38	1.65	4.31	3.45
August	2.67	2.08	1.35	3.09	2.52	1.79	4.19	3.44
September	2.85	2.23	1.36	3.17	2.62	1.74	4.19	3.72
October	2.90	2.30	1.34	3.30	2.72	1.75	4.33	3.72
November	2.96	2.39	1.40	3.41	2.80	1.76	4.49	3.79
December	3.04	2.48	1.41	3.49	2.90	1.94	4.76	4.02
1976								
January	3.21	2.57	1.43	3.67	3.04	2.06	4.56	3.79
February	3.24	2.84	1.55	3.96	3.27	2.25	4.74	3.64
March	3.46	2.82	1.60	3.97	3.30	2.26	4.90	3.86
April	3.59	2.98	1.75	4.26	3.60	2.41	5.04	3.96
May	4.06	3.17	1.79	4.72	3.84	2.44	5.18	4.45
June	4.03	2.74	1.33	4.77	3.60	2.25	5.14	4.39
July	3.42	2.26	1.42	4.41	3.08	1.94	5.03	3.85
August	3.01	2.17	1.55	3.78	2.80	2.05	5.21	3.56
September	3.30	2.37	1.56	4.02	3.02	2.17	4.74	3.36
October	3.15	2.31	1.35	3.81	2.90	2.11	4.86	3.69
November	3.53	2.58	1.45	4.08	3.03	2.15	5.14	3.59
December	3.65	2.66	1.45	4.17	3.22	2.22	5.14	3.59
1977								
January	3.73	2.81	1.53	4.18	3.20	2.16	5.26	4.39
February	3.83	2.88	1.60	4.27	3.32	2.22	5.44	4.54
March	3.96	3.04	1.75	4.36	3.39	2.33	5.49	4.27
April	3.67	2.69	1.48	4.33	3.31	2.30	5.60	3.94
May	3.64	2.56	1.35	4.28	3.14	2.11	5.66	3.68
June	3.70	2.25	1.19	4.36	3.01	1.84	5.45	3.69
July	3.59	2.09	1.30	4.30	2.71	1.79	5.19	3.55
August	2.93	2.16	1.34	3.77	2.63	1.94	5.29	3.19
September	2.61	2.10	1.27	3.44	2.70	1.96	5.29	3.28
October	2.75	2.05	1.25	3.28	2.54	1.89	5.17	3.12
November	2.82	2.08	1.22	3.50	2.59	1.96	4.76	3.13
December	2.66	2.01	1.20	3.32	2.56	1.93	4.33	3.01
1978								
January	2.84	2.08	1.25	3.44	2.65	2.02	4.53	3.06
February	2.77	2.07	1.30	3.48	2.68	2.08	4.54	3.11
March	2.87	2.19	1.42	3.46	2.69	2.06	4.73	3.49
April 4/	3.28	2.48	1.88	3.69	2.76	2.16	4.84	3.38
May 4/	3.34	2.53	1.91	3.79	2.86	2.21	4.90	3.58
June 4/	3.38	2.53	1.64	3.87	2.95	2.18	4.74	3.54
July 4/	3.38	2.52	1.60	3.93	3.00	2.19	4.69	3.79

1/ Weighted average, all species, South Atlantic and Gulf.
2/ At New York, N.Y.
3/ At Baltimore, M.D.
4/ Preliminary.

Table A19 --Scallop landings in the United States and Canada, annual, 1960-77
(Product weight)

Year	United States				Canada	Grand total
	Sea	Bay	Calico	Total		
	Thousand pounds					
1960	26,599	2,031	112	28,742	7,716	36,458
1961	27,461	1,708	26	29,195	10,516	39,711
1962	24,634	3,159	17	27,810	13,481	41,291
1963	19,939	1,517	1/	21,456	16,217	37,673
1964	16,914	1,887	-	18,801	16,682	35,483
1965	20,070	1,859	872	22,801	19,704	42,505
1966	15,975	1,780	1,857	19,612	18,249	37,861
1967	10,243	1,097	1,410	12,750	13,321	26,071
1968	13,818	1,491	89	15,398	15,649	31,047
1969	9,312	2,114	199	11,625	13,813	25,438
1970	7,304	1,700	1,833	10,837	12,982	23,819
1971	6,337	2,315	1,574	10,226	11,170	21,396
1972	7,017	2,032	1,352	10,401	12,049	22,450
1973	6,400	1,014	558	7,972	11,154	19,126
1974	6,521	2,054	625	9,200	14,043	23,243
1975	9,735	1,949	1,400	13,084	17,703	30,787
1976	19,840	2,131	2,261	24,232	25,741	49,973
1977	25,012	1,703	1,111	27,826	28,952	56,778

1/ Less than 500 pounds.
Note: Figures may not add to total because of rounding.

Table A20-- U.S. imports of scallops by country of origin, January -June, 1977 and 1978
(Product weight)

Country	1977	1978	1978 as a percentage of 1977	Percentage of total imports	
				1977	1978
	Thousand pounds		Percent		
Canada	11,140	11,693	105.0	90.0	90.0
Australia	-	479	-	-	3.7
U. Kingdom	479	363	75.8	3.9	2.8
Iceland	399	214	53.6	3.2	1.6
Panama	122	88	72.1	1.0	.7
Denmark	63	60	95.2	.5	.5
Other	168	98	58.2	1.4	.8
Total	12,371	12,995	105.0	100.0	100.0

Table A21-- U.S. imports of scallops by country of origin, 1976 and 1977
(Product weight)

Country	1976	1977	1977 as a percentage of 1976	precentage of total imports	
				1976	1977
	- Thousand pounds -			- - - - - - Percent - - - - - -	
Canada	20,542	26,216	127.6	81.3	88.0
Iceland	257	1,529	594.9	1.0	5.1
U. Kingdom	3,003	1,279	42.6	11.9	4.3
Panama	159	221	139.0	.6	.7
Denmark	166	94	56.6	.7	.3
Argentina	102	46	45.1	.4	.2
Japan	91	44	48.4	.4	.1
Phil. Rep.	134	37	27.6	.5	.1
Thailand	61	17	27.9	.2	.1
India	94	16	17.0	.4	.1
Venezuela	40	8	20.0	.2	1/
Brazil	290	-	-	1.1	-
Ireland	176	-	-	.7	-
Other	138	279	202.2	.5	.9
Total	23,253	29,786	118.0	100.0	100.0

1/ Less than 0.05 percent.
Note: Figures may not add to total because of rounding.

Table A22-- First-of-the-month cold storage holdings of scallops in the United States and Canada, monthly, 1977 and 1978
(Product weight)

Month	1977			1978		
	United States	Canada	Total	United States	Canada	Total
	- - - - - - - - - - - - Thousand pounds - - - - - - - - - - - -					
January	4,927	2,088	7,015	5,927	1,561	7,488
February	4,371	1,296	5,667	5,058	1,006	6,064
March	4,125	1,067	5,192	4,309	1,382	5,691
April	3,588	625	4,213	3,545	755	4,300
May	3,224	1,314	4,538	3,216	795	4,011
June	3,719	1,977	5,696	2,516	720	3,236
July	4,443	366	4,809	2,802		
August	4,261	545	4,806			
September	4,703	1,858	6,561			
October	5,979	1,062	7,041			
November	5,329	1,028	6,357			
December	6,077	1,677	7,754			

Table A23.--Supply and utilization of scallops, monthly, 1977 and 1978
(Product weight)

Month	Supply				Utilization		
	Beginning stocks	Landings 1/	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1977							
January	4.9	1.0	1.2	7.1	4.4	2.8	0.013
February	4.4	1.2	.9	6.5	4.1	2.3	.011
March	4.1	1.8	1.8	7.7	3.6	4.1	.019
1st quarter	4.9	4.0	3.9	12.8	3.6	9.2	.043
April	3.6	2.1	1.7	7.4	3.2	4.2	.019
May	3.2	2.6	2.7	8.5	3.7	4.8	.022
June	3.7	2.7	4.1	10.5	4.4	6.1	.028
2d quarter	3.6	7.4	8.5	19.5	4.4	15.0	.069
July	4.4	2.7	3.4	10.5	4.3	6.2	.028
August	4.3	2.1	3.9	10.3	4.7	5.6	.026
September	4.7	2.1	3.4	10.2	6.0	4.2	.019
3d quarter	4.4	6.9	10.6	22.0	6.0	16.0	.074
October	6.0	2.0	2.1	10.1	5.3	4.8	.022
November	5.3	1.6	2.5	9.4	6.1	3.3	.015
December	6.1	3.1	2.2	11.3	5.9	5.4	.025
4th quarter	6.0	6.7	6.8	19.4	5.9	13.5	.062
1978							
January	5.9	.9	1.1	8.0	5.0	2.9	.013
February	5.0	1.5	1.4	8.0	4.3	3.7	.017
March	4.3	1.7	1.6	7.6	3.5	4.1	.019
1st quarter	5.9	4.2	4.2	14.2	3.5	10.7	.049
April	3.5	2.3	2.2	8.1	3.2	4.9	.022
May	3.2	3.0	3.4	9.6	2.5	7.0	.032
June	2.5	3.3	3.2	9.1	2.8	6.3	.029
2d quarter	3.5	8.6	8.8	21.0	2.8	18.2	.083

1/ Landings of sea scallops only (in Maine, Massachusetts, New York, New Jersey, Virginia, and Alaska).
Note: Figures may not add to total because of rounding.

Table A24.-- Supply and utilization of all scallops, annual, 1960-77
(Product weight)

Year	Supply				Utilization		
	Beginning stocks	Landings	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	3.5	28.7	6.9	39.1	3.1	36.0	0.200
1961	3.1	29.2	8.7	41.0	3.0	38.0	.208
1962	3.0	27.8	11.6	42.4	2.7	39.7	.214
1963	2.7	21.5	13.4	37.6	3.3	34.3	.182
1964	3.3	18.8	16.2	38.3	3.1	35.2	.184
1965	3.1	22.8	16.5	42.4	5.9	36.5	.189
1966	5.9	19.6	16.7	42.2	3.4	38.8	.198
1967	3.4	12.8	13.5	29.7	1.2	28.5	.144
1968	1.2	15.4	14.6	31.2	3.1	28.1	.141
1969	3.1	11.6	14.3	29.0	2.2	26.8	.133
1970	2.2	10.8	16.8	29.8	2.4	27.4	.134
1971	2.4	10.2	17.4	30.0	1.6	28.4	.138
1972	1.6	10.4	20.8	32.8	3.7	29.1	.140
1973	3.7	8.0	19.8	31.5	4.5	27.0	.129
1974	4.5	9.2	18.1	31.8	2.6	29.2	.138
1975	2.6	13.1	19.7	35.4	2.0	33.4	.157
1976	2.0	24.2	25.2	51.5	4.9	46.6	.217
1977	4.9	27.8	29.8	62.5	5.9	56.6	.261

Note: Figures may not add to total because of rounding.

Table A25-- Production of fresh and frozen scallops, annual, 1960-76
(Product weight)

Year	Shucked			Breaded, raw and cooked	Specialties and other
	Bay	Calico	Sea		
	Thousand gallons			Thousand pounds	
1960	129	1/	2/	10,032	na
1961	183	1/	2/	11,363	2,240
1962	345	na	7,881	12,932	1,557
1963	137	na	5,940	7,292	501
1964	177	na	4,832	6,535	989
1965	210	na	5,646	7,126	1,076
1966	205	226	3,657	8,455	984
1967	129	171	2,406	8,878	641
1968	180	na	3,665	9,250	567
1969	267	42	3,167	7,795	1,563
1970	214	194	2,647	8,496	597
1971	186	179	1,810	9,260	143
1972	58	166	3,361	8,805	na
1973	30	75	2,872	8,268	na
1974	240	na	2,300	6,739	na
1975	87	394	5,217	7,853	na
1976	132	204	11,895	10,326	na

na - Not available.
1/ Included with bay scallops.
2/ Included with breaded, raw and cooked.
Note: Figures may not add to total because of rounding.

Table A26--Wholesale prices for scallops at New York for selected countries, monthly, 1974-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	Dollars per pound											
United States												
1974	2.28	2.18	2.21	2.09	1.72	1.78	1.72	1.78	1.84	1.78	1.78	1.86
1975	1.86	1.99	1.99	2.09	1.96	2.03	2.24	2.28	2.29	2.55	2.69	2.72
1976	2.89	2.85	2.79	2.64	2.19	2.20	1.89	1.78	1.97	2.32	2.33	2.15
1977	2.34	2.17	2.04	1.92	1.72	1.70	1.72	1.98	2.04	2.28	2.42	2.46
1978	2.62	2.64	2.48	2.37	2.24	2.64	3.04					
Canada												
1974	2.03	2.04	1.95	1.90	1.84	1.84	1.77	1.66	1.70	1.76	1.75	1.75
1975	1.74	1.78	1.82	1.89	2.02	2.02	2.18	2.27	2.42	2.62	2.79	2.84
1976	2.92	2.95	2.85	2.74	2.46	2.51	2.22	1.98	2.16	2.29	2.19	1.98
1977	1.94	2.02	1.91	1.88	1.81	1.68	1.69	1.87	2.04	2.24	2.39	2.42
1978	2.55	2.52	2.25	2.29	2.26	2.79	3.54					
United Kingdom												
1974	1.78	1.77	1.66	1.60	1.64	1.65	1.63	1.55	1.52	1.50	1.50	1.50
1975	1.61	1.68	1.55	1.55	-	-	-	-	-	-	2.62	2.70
1976	2.70	2.73	2.72	2.62	2.29	2.36	2.40	-	-	-	2.45	2.45
1977	-	-	-	-	-	-	-	-	-	-	-	-
1978	2.51	2.52	2.38	2.31	2.39	-	-					

Table A27--Exvessel, wholesale, and retail prices for sea scallops, monthly, 1974-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	Dollars per pound											
Exvessel 1/												
1974	1.88	1.81	1.87	1.55	1.37	1.46	1.40	1.53	1.50	1.49	1.49	1.52
1975	1.57	1.71	1.62	1.72	1.62	1.72	1.78	1.91	2.00	2.32	2.36	2.29
1976	2.46	2.43	2.39	2.10	1.87	1.87	1.54	1.38	1.56	2.00	2.00	1.75
1977	1.94	1.73	1.66	1.48	1.39	1.36	1.42	1.63	1.76	1.98	2.02	2.07
1978	2.48	2.17	2.16	1.96	1.94	2.45	2.72					
Wholesale 2/												
1974	2.19	2.10	2.10	1.82	1.76	1.75	1.75	1.75	1.75	1.75	1.75	1.75
1975	1.85	1.85	1.85	1.95	1.92	2.00	2.06	2.10	2.25	2.51	2.68	2.68
1976	2.72	2.85	2.97	2.89	-	-	2.00	2.00	2.02	2.11	2.12	2.10
1977	2.08	2.08	2.00	1.99	1.89	1.68	1.65	1.80	1.88	2.13	2.34	2.35
1978	2.40	2.56	2.55	2.45	2.38	2.84	3.25					
Retail 3/												
1974	2.84	2.84	2.99	2.99	2.99	2.94	2.90	2.77	2.72	2.80	2.83	2.78
1976	2.62	2.54	2.84	2.83	2.95	2.98	3.06	3.20	3.36	3.51	3.92	4.04
1976	4.42	3.80	3.72	3.78	3.64	3.34	3.36	2.80	3.07	3.36	3.42	3.54
1977	3.70	3.53	3.45	3.25	2.94	2.81	2.60	2.83	3.03	3.19	3.04	3.09
1978	3.36	3.85	3.69	3.70	3.42	3.57	4.01					

1/ Weighted average at New Bedford, Mass.
2/ At Boston, Mass.
3/ At Baltimore, Md.

Table A28 --Landings of American lobster in the United States and Canada, annual, 1960-77

(Live weight)

Year	United States			Canada	Grand total
	Maine	Other	Total		
	Million pounds				
1960	24.0	7.2	31.2	50.0	81.2
1961	20.9	7.1	28.0	47.5	75.5
1962	22.1	7.4	29.5	46.4	75.9
1963	22.8	7.5	30.3	44.4	74.7
1964	21.4	9.5	31.0	41.9	72.9
1965	18.9	11.4	30.2	40.5	70.7
1966	19.9	9.6	29.5	37.4	66.9
1967	16.5	10.3	26.7	35.1	61.8
1968	20.5	12.1	32.6	37.3	69.9
1969	19.8	14.0	33.8	40.1	73.9
1970	18.2	16.0	34.2	36.6	70.8
1971	17.6	16.1	33.7	38.2	71.9
1972	16.3	16.0	32.2	33.2	65.4
1973	17.0	12.0	29.0	35.6	64.6
1974	16.5	11.8	28.3	31.4	59.7
1975	17.0	12.0	29.0	38.6	67.6
1976	19.0	12.7	31.7	35.4	67.1
1977	18.5	13.2	31.7	33.7	65.4

Note: Figures may not add to total because of rounding.

Table A29 --Imports of American lobster from Canada by product type, annual, 1960-77

(Product weight)

Year	Live	In airtight containers	Other	Total	Total live weight
	Million pounds				
1960	19.4	2.4	2.0	23.8	39.5
1961	19.4	2.8	1.8	24.0	40.6
1962	20.4	3.1	1.7	25.2	42.3
1963	20.1	2.4	1.8	24.3	38.9
1964	19.7	2.8	.7	23.2	36.0
1965	17.7	2.9	.9	21.5	35.0
1966	16.4	2.9	.7	20.0	32.7
1967	15.0	2.7	.6	18.3	29.7
1968	15.8	2.5	.9	19.2	31.3
1969	16.7	2.7	.8	20.2	31.6
1970	16.5	2.4	.6	19.5	30.2
1971	16.1	2.3	1.7	20.1	34.5
1972	15.5	2.2	.7	18.4	28.8
1973	15.5	1.7	.6	17.8	25.8
1974	14.2	1.6	.7	16.6	25.0
1975	15.0	2.0	.7	17.7	27.6
1976	14.9	2.1	.9	18.0	29.1
1977	14.4	2.5	.6	17.5	28.8

Note: Figures may not add to total because of rounding.

Table A30.--Supply of American lobster, monthly, 1976-78
(Live weight)

Month	Total landings	Imports				Grand total
		Live	In airtight containers	Other	Total	
	Thousand pounds					
1976						
January	737	1,602	594	263	2,459	3,196
February	234	746	291	42	1,079	1,313
March	292	882	342	45	1,269	1,561
1st quarter	1,263	3,230	1,227	350	4,807	6,070
April	755	1,454	673	33	2,160	2,915
May	1,363	2,447	1,479	368	4,294	5,657
June	1,609	3,512	2,050	1,280	6,842	8,451
2d quarter	3,727	7,413	4,202	1,681	13,296	17,047
July	3,005	1,332	941	632	2,905	5,910
August	4,419	783	767	379	1,929	6,348
September	4,520	327	1,088	335	1,750	6,270
3d quarter	11,944	2,442	2,769	1,346	6,584	18,528
October	3,811	126	673	354	1,153	4,964
November	2,512	282	605	326	1,213	3,725
December	1,236	1,414	456	211	2,081	3,317
4th quarter	7,559	1,822	1,734	891	4,447	12,006
1977						
January	461	704	521	39	1,264	1,725
February	254	354	617	36	1,007	1,261
March	347	925	609	66	1,600	1,947
1st quarter	1,062	1,983	1,747	141	3,871	4,933
April	756	1,384	240	213	1,837	2,593
May	1,806	3,116	1,039	270	4,425	6,251
June	1,573	3,184	3,156	349	6,689	8,262
2d quarter	4,135	7,684	4,435	832	12,951	17,086
July	2,733	1,953	1,358	402	3,713	6,446
August	4,053	1,033	1,135	123	2,291	6,344
September	4,318	218	1,119	231	1,568	5,886
3d quarter	11,104	3,204	3,612	756	7,572	18,676
October	3,898	188	1,088	281	1,557	5,455
November	2,986	157	563	194	914	3,900
December	1,515	1,216	373	68	1,895	3,410
4th quarter	8,399	1,561	2,024	543	4,366	12,765
1978						
January	345	571	409	208	1,118	1,463
February	364	516	79	310	905	1,269
March	241	634	3	37	674	915
1st quarter	950	1,721	419	555	2,697	3,647
April	594	1,154	269	254	1,677	2,271
May	1,270	3,174	1,786	387	5,347	6,617
June	1,250	2,499	2,882	226	5,607	6,857
2d quarter	3,114	6,827	4,937	867	12,631	15,745

Note: Figures may not add to total because of rounding.

Table A31.--Supply of American lobsters, annual, 1960-77
(Live weight)

Year	Landings	Imports				Grand total
		Live	In airtight containers	Other	Total	
		Million pounds				
1960	31.2	19.4	11.2	8.9	39.5	70.7
1961	28.0	19.4	12.9	8.3	40.6	68.6
1962	29.5	20.4	14.4	7.5	42.3	71.8
1963	30.3	20.1	10.9	7.9	38.9	69.2
1964	31.0	19.7	13.1	3.3	36.0	67.0
1965	30.2	17.7	13.2	4.1	35.0	65.2
1966	29.5	16.4	13.3	3.0	32.7	62.2
1967	26.7	15.0	12.5	2.4	29.7	56.4
1968	32.6	15.8	11.4	4.1	31.3	63.9
1969	33.8	16.7	11.5	3.5	31.6	65.4
1970	34.2	16.5	11.0	2.6	30.2	64.3
1971	33.7	16.1	10.6	7.8	34.5	68.2
1972	32.2	15.5	10.1	3.3	28.8	61.0
1973	29.0	15.5	7.7	2.6	25.8	54.8
1974	28.3	14.2	7.4	3.3	25.0	53.3
1975	29.0	15.0	9.2	3.3	27.6	56.6
1976	31.7	14.9	10.0	4.3	29.1	60.8
1977	31.7	14.4	11.8	2.5	28.8	60.5

Note: Figures may not add to total because of rounding.

Table A32--Exvessel and wholesale prices for American lobsters, monthly, 1975-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	Dollars per pound											
Exvessel 1/												
1975	1.61	2.00	2.30	2.25	1.69	1.86	1.71	1.63	1.46	1.52	1.53	1.57
1976	2.24	2.47	2.80	2.10	1.67	1.72	1.52	1.36	1.34	1.43	1.58	1.80
1977	2.95	3.01	2.92	1.89	1.77	1.91	1.59	1.65	1.47	1.55	1.84	2.57
1978	2.79	3.03	3.26	2.89	2.12	2.14	2.19					
Wholesale 2/												
1975												
CHIX	2.32	2.76	3.04	3.48	2.20	2.29	2.68	3.09	2.88	2.55	2.45	2.56
1-1/8 lb	2.36	2.78	3.04	3.48	2.20	2.29	2.68	3.11	2.99	2.62	2.52	2.64
1-1/4 lb	2.44	2.82	3.04	3.48	2.19	2.32	2.69	3.14	2.98	2.72	2.62	2.73
1-1/2 lb	2.65	2.96	3.18	3.65	2.31	2.42	2.70	3.25	3.39	3.16	2.99	2.94
2 lb	2.83	3.12	3.54	3.82	2.39	2.53	2.70	3.29	3.49	3.26	3.02	3.01
1976												
CHIX	3.02	3.14	3.46	3.10	2.30	2.63	2.77	2.76	2.70	2.51	2.61	3.43
1-1/8 lb	3.07	3.16	3.48	3.10	2.30	2.63	2.77	2.76	2.72	2.52	2.61	3.44
1-1/4 lb	3.15	3.21	3.52	3.12	2.31	2.66	2.79	2.79	3.75	2.56	2.69	3.46
1-1/2 lb	3.26	3.36	3.84	3.42	2.49	2.78	2.81	3.10	3.16	2.78	2.92	3.64
2-lb	3.30	3.51	4.12	3.62	2.55	2.80	2.84	3.18	3.32	2.92	3.06	3.70
1977												
CHIX	4.00	4.25	3.62	2.78	2.46	2.54	2.89	3.06	2.99	2.68	2.69	3.45
1-1/8 lb.	4.00	4.28	3.62	2.78	2.46	2.54	2.89	3.06	2.99	2.74	3.00	3.47
1-1/4 lb	4.04	4.34	3.64	2.78	2.46	2.54	2.89	3.12	3.04	2.82	3.07	3.50
1-1/2 lb	4.24	4.52	3.96	3.14	2.69	2.68	2.93	3.58	3.60	3.28	3.37	3.80
2-lb	4.26	4.61	4.06	3.16	2.71	2.69	2.94	3.76	3.90	3.50	3.46	3.84
1978												
CHIX	3.76	3.82	3.98	4.45	2.87	3.09	3.44					
1-1/8 lb	3.79	3.88	3.99	4.45	2.87	3.09	3.44					
1-1/4 lb	3.88	3.94	4.01	4.46	2.87	3.10	3.44					
1-1/2 lb	4.31	4.46	4.43	4.50	2.95	3.12	3.44					
2-lb	4.50	4.71	4.72	4.56	2.95	3.12	3.44					

1/ Weighted average in Maine.
2/ At New York, N.Y.

Table A33--U.S. imports of lobster tails by country of origin, January-June 1977 and 1978
(Product weight)

Country	1977	1978	1978 as a percentage of 1977	Percentage of total imports	
				1977	1978
	Thousand pounds			Percent	
North America					
Nicaragua	1,318	1,368	103.8	7.0	7.1
Honduras	383	576	150.4	2.0	3.0
Mexico	250	264	105.6	1.3	1.4
Other	898	558	62.1	4.8	2.9
Total	2,849	2,766	97.1	15.1	14.4
South America					
Brazil	2,097	3,835	182.9	11.1	19.9
Other	308	99	32.1	1.6	.5
Total	2,405	3,934	163.6	12.7	20.4
Europe					
Total	427	314	73.5	2.2	1.6
Asia					
India	507	567	111.8	2.7	2.9
Japan	339	248	73.2	1.8	1.3
Other	1,126	210	18.6	6.0	1.1
Total	1,927	1,025	52.0	10.4	5.3
Australia & Oceania					
Australia	6,768	6,950	102.4	35.9	36.1
New Zealand	1,341	1,468	109.5	7.1	7.6
Other	88	42	47.7	.5	.2
Total	8,219	8,460	102.9	43.5	43.9
Africa					
Republic of South Africa	2,845	2,762	97.1	15.0	14.3
Other	186	21	11.3	1.0	.1
Total	3,031	2,783	91.8	16.0	14.4
Grand total	18,905	19,273	101.9	100.0	100.0

Table A34--U.S. imports of lobster tails by country of origin, 1976 and 1977
(Product weight)

Country	1976	1977	1977 as a percentage of 1976	Percentage of total imports	
				1976	1977
	Thousand pounds			Percent	
North America					
Nicaragua	1,349	2,368	175.5	4.1	7.0
Honduras	1,154	718	62.2	3.6	2.1
Bahamas	822	711	86.5	2.5	2.1
Other	1,878	1,709	91.0	5.6	5.0
Total	5,203	5,506	105.8	15.6	16.2
South America					
Brazil	4,888	5,189	106.2	14.7	15.3
Other	497	469	94.4	1.5	1.4
Total	5,385	5,658	105.1	16.2	16.7
Europe					
Iceland	434	844	194.5	1.3	2.5
Other	474	289	61.0	1.4	.8
Total	908	1,133	124.8	2.7	3.3
Asia					
India	987	819	83.0	3.0	2.4
Japan	589	541	91.8	1.8	1.6
Singapore	758	422	55.7	2.3	1.2
Other	1,346	1,319	98.0	4.0	3.9
Total	3,680	3,101	84.3	11.1	9.2
Australia & Oceania					
Australia	9,309	9,135	98.1	28.0	27.0
New Zealand	2,618	2,492	95.2	7.9	7.4
Other	77	88	114.3	.2	.2
Total	12,004	11,715	97.6	36.1	34.6
Africa					
Republic of South Africa	5,978	5,921	99.0	18.0	17.5
Other	111	826	744.1	.3	2.4
Total	6,089	6,747	110.8	18.3	19.9
Grand total	33,269	33,863	101.8	100.0	100.0

Note: Figures may not add to total because of rounding.

Table A35--U.S. imports of lobster tails by country of origin, 1960-77
(Product weight)

Year	Australia	Brazil	Rep. of S. Africa	New Zealand	Other	Total
	Million pounds					
1960	7.3	2.4	9.2	2.6	6.4	27.9
1961	6.7	3.6	9.7	2.1	5.5	27.6
1962	9.7	4.6	11.3	2.6	3.1	31.3
1963	8.9	4.0	10.2	2.8	2.9	28.8
1964	7.7	2.9	13.2	2.5	3.0	29.3
1965	8.5	2.6	12.2	2.7	4.9	30.9
1966	8.5	2.4	10.8	3.0	4.6	29.3
1967	8.5	2.0	8.6	3.6	4.6	27.3
1968	10.0	3.4	11.2	4.9	6.3	35.8
1969	8.7	5.7	9.2	5.1	8.6	37.3
1970	8.2	5.8	5.0	4.1	8.4	32.5
1971	10.0	5.1	6.2	4.1	10.2	34.6
1972	10.0	6.0	4.5	3.4	10.2	34.1
1973	8.7	5.4	5.0	3.1	8.6	30.8
1974	8.0	5.9	5.5	2.9	8.9	31.2
1975	9.0	4.9	5.6	2.6	8.2	30.3
1976	9.3	4.9	6.0	2.6	10.5	33.3
1977	9.1	5.2	5.9	2.5	11.2	33.9

Note: Figures may not add to total because of rounding.

Table A36.--Supply and utilization of lobster tails, monthly, 1976-78
(Product weight)

Month	Supply			Utilization		
	Beginning stocks	Imports	Total	Ending stocks	Apparent consumption	
					Total	Per capita
	Million pounds					Pounds
1976						
January	2.7	3.1	5.8	3.5	2.3	0.011
February	3.6	3.1	6.5	3.6	2.9	.014
March	3.6	3.8	7.4	4.2	3.2	.015
1st quarter	2.7	9.9	12.6	4.2	8.4	.040
April	4.2	2.3	6.5	4.4	2.1	.010
May	4.4	2.3	6.7	3.5	3.1	.014
June	3.5	3.5	7.1	3.7	3.3	.015
2d quarter	4.2	8.1	12.3	3.7	8.5	.039
July	3.7	2.9	6.6	4.1	2.5	.012
August	4.1	2.6	6.7	4.5	2.2	.010
September	4.5	3.1	7.6	5.0	2.6	.012
3d quarter	3.7	8.6	12.4	5.0	7.4	.032
October	5.0	1.6	6.6	5.3	1.3	.006
November	5.3	2.4	7.7	5.4	2.3	.011
December	5.4	2.7	8.1	6.2	1.9	.009
4th quarter	5.0	6.7	11.7	6.2	5.5	.026
1977						
January	6.2	3.4	9.6	6.7	2.9	.013
February	6.7	3.6	10.3	6.4	3.9	.018
March	6.4	3.8	10.1	6.1	4.1	.019
1st quarter	6.2	10.8	17.0	6.1	11.0	.050
April	6.1	1.9	7.9	5.7	2.2	.010
May	5.7	2.7	8.4	5.2	3.3	.015
June	5.2	3.6	8.7	5.4	3.8	.018
2d quarter	6.1	8.1	14.2	5.4	8.8	.043
July	5.4	3.1	8.4	5.5	3.0	.014
August	5.5	3.2	8.7	5.3	3.4	.016
September	5.3	1.8	7.1	5.1	2.0	.009
3d quarter	5.4	8.1	13.5	5.1	8.4	.039
October	5.1	2.6	7.8	4.9	2.9	.013
November	4.9	1.3	6.2	5.3	.9	.004
December	5.3	2.8	8.1	5.0	3.1	.014
4th quarter	5.1	6.7	11.8	5.0	6.8	.031
1978						
January	5.0	3.1	8.1	5.5	2.6	.012
February	5.5	3.7	9.2	5.4	3.8	.017
March	5.4	2.7	8.1	5.3	2.8	.013
1st quarter	5.0	9.5	14.5	5.3	9.2	.042
April	5.3	3.1	8.4	5.0	3.4	.016
May	5.0	3.1	8.1	4.7	3.4	.016
June	4.7	3.5	8.2	5.2	3.0	.014
2d quarter	5.3	9.7	15.0	5.2	9.9	.045

Table A37-- Supply and utilization of lobster tails, annual, 1960-77
(Product weight)

Year	Supply				Utilization		
	Beginning stocks	Domestic production 1/	Imports	Total	Ending stocks	Apparent consumption	
						Total	Per capita
	Million pounds						Pounds
1960	3.7	2/	27.9	31.6	4.2	27.4	0.152
1961	4.2	2/	27.6	31.8	5.1	26.7	.146
1962	5.1	2/	31.3	36.4	6.7	29.7	.160
1963	6.7	2/	28.8	35.5	5.1	30.4	.161
1964	5.1	2/	29.3	34.4	2.7	31.7	.166
1965	2.7	0.4	30.9	34.0	5.5	28.5	.147
1966	5.5	.5	29.3	35.3	6.8	28.5	.146
1967	6.8	.7	27.3	34.8	3.8	31.0	.157
1968	3.8	1.7	35.8	41.3	5.2	36.1	.181
1969	5.2	2.7	37.3	45.2	7.5	37.7	.187
1970	7.5	2.4	32.5	42.4	4.3	38.1	.187
1971	4.3	3.0	34.6	41.9	4.1	37.8	.183
1972	4.1	3.0	34.1	41.2	7.5	33.7	.162
1973	7.5	2.6	30.8	40.9	5.0	35.9	.172
1974	5.0	2.9	31.2	39.0	6.5	32.6	.154
1975	6.5	2.3	30.3	39.1	2.7	36.4	.169
1976	2.7	2.2	33.3	38.2	6.2	32.0	.149
1977	6.2	2.5	33.9	42.6	5.0	37.6	.173

1/ Includes some lobster tail imported and reprocessed in the United States.
2/ Not available.

Note: Figures may not add to total because of rounding.

Table A38-- Wholesale prices for selected sizes of cold and warm-water lobster tails, monthly, 1976-78

Size	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	Dollars per pound											
1976												
Cold-water												
4-6 oz	6.01	6.04	6.23	6.74	7.18	7.44	7.48	7.47	7.42	7.52	7.68	7.70
6-8 oz	6.06	6.06	6.18	6.68	7.13	7.35	7.39	7.36	7.23	7.36	7.50	7.61
8-10 oz	6.07	6.07	6.18	6.62	7.05	7.22	7.35	7.30	7.20	7.24	7.31	7.50
10-12 oz	6.09	6.08	6.15	6.48	6.90	7.15	7.15	7.21	7.06	7.22	7.28	7.43
12-16 oz	6.04	6.02	6.14	6.48	6.92	7.05	7.05	7.08	6.73	6.77	6.85	6.87
Warm-water												
4-6 oz	5.44	5.43	5.47	5.74	6.00	6.39	6.51	6.32	5.98	5.87	5.77	5.74
6-8 oz	5.37	5.38	5.42	5.69	5.92	6.38	6.54	6.37	5.94	5.93	5.85	5.84
8-10 oz	5.09	5.15	5.21	5.54	5.77	6.16	6.23	6.06	5.68	5.63	5.58	5.51
10-12 oz	4.79	4.86	4.94	5.34	5.60	5.94	6.18	5.62	5.34	5.36	5.29	5.26
12-16 oz	4.73	4.79	4.82	5.27	5.45	5.88	6.09	5.66	5.50	5.23	5.14	5.10
1977												
Cold-water												
4-6 oz	7.46	7.35	7.41	7.45	7.54	7.64	7.71	7.72	7.73	7.73	7.73	7.66
6-8 oz	7.49	7.36	7.40	7.45	7.50	7.59	7.63	7.65	7.63	7.63	7.65	7.65
8-10 oz	7.44	7.34	7.38	7.45	7.49	7.52	7.52	7.50	7.47	7.47	7.45	7.40
10-12 oz	7.39	7.37	7.40	7.48	7.52	7.52	7.49	7.49	7.45	7.42	7.42	7.39
12-16 oz	6.86	6.92	6.98	7.02	7.10	7.14	7.08	7.07	7.10	7.86	6.81	6.90
Warm-water												
4-6 oz	5.81	5.84	5.80	5.84	5.87	5.92	5.85	5.60	5.51	5.54	5.60	5.60
6-8 oz	5.92	5.94	5.90	5.96	6.05	5.98	5.88	5.69	5.55	5.65	5.71	5.74
8-10 oz	5.66	5.71	5.66	5.78	5.86	5.77	5.67	5.48	5.33	5.44	5.49	5.39
10-12 oz	5.31	5.38	5.38	5.37	5.39	5.37	5.25	5.04	4.84	4.86	4.90	4.89
12-16 oz	5.14	5.26	5.24	5.25	5.33	5.30	5.19	4.97	4.76	4.71	4.76	4.73
1978												
Cold-water												
6-8 oz	7.46	7.27	7.30	7.43	7.50	7.65	7.67					
6-8 oz	7.52	7.27	7.31	7.41	7.54	7.58	7.60					
8-10 oz	7.34	7.21	7.21	7.35	7.51	7.52	7.58					
10-12 oz	7.34	7.20	7.17	7.25	7.33	7.35	7.40					
12-16 oz	6.83	6.75	6.74	6.82	6.74	6.83	6.76					
Warm-water												
4-6 oz	5.63	5.65	5.72	5.85	6.30	6.62	6.81					
6-8 oz	5.71	5.74	5.82	5.93	6.42	6.69	6.91					
8-10 oz	5.20	5.19	5.28	5.43	5.76	6.01	6.33					
10-12 oz	4.86	4.84	4.93	5.10	5.41	5.58	5.76					
12-16 oz	4.66	4.67	4.74	4.90	5.24	5.40	5.52					

At New York, N.Y.

Table A39--Landings of king and snow crab, monthly, 1977 and 1978
(Live weight)

Month	1977			1978		
	King	Snow	Total	King	Snow	Total
	Million pounds					
January	3.9	6.0	10.0	2.7	14.0	16.7
February	.3	11.4	11.7	.1	19.0	19.0
March	.2	17.6	17.8	1.0	35.5	36.6
1st quarter	4.4	35.0	39.4	3.8	68.5	72.3
April	1/	21.3	21.3	1/	32.3	32.3
May	1/	24.4	24.4	-	19.3	19.3
June	1/	13.7	13.7	-	4.7	4.7
2d quarter	1/	59.3	59.4	1/	56.3	56.3
July	1.0	1/	1.0			
August	1.6	-	1.6			
September	15.3	1/	15.3			
3d quarter	17.9	1/	17.9			
October	41.9	.2	41.9			
November	26.2	.3	26.5			
December	8.7	1.1	9.8			
4th quarter	76.6	1.6	78.2			

1/ Less than 51,000 pounds.
Note: Figures may not add to total because of rounding.

Table A40 -Landings of West Coast crabs, annual, 1960-77
(Live weight)

Year	King	Snow	Dungeness	Total
	Million pounds			
1960	28.6	-	36.2	64.8
1961	43.4	1/	32.7	76.1
1962	52.8	1/	23.4	76.2
1963	78.7	-	24.9	103.6
1964	86.7	1/	23.0	109.7
1965	131.7	-	28.9	160.6
1966	159.2	1/	39.7	198.9
1967	127.7	0.1	42.4	170.2
1968	82.0	3.2	44.0	129.2
1969	57.7	11.2	49.1	118.0
1970	52.1	14.5	58.5	125.1
1971	70.7	12.9	41.6	125.7
1972	94.2	46.0	28.2	169.4
1973	76.8	61.7	14.4	152.9
1974	97.6	64.1	16.1	177.8
1975	100.1	46.2	16.0	162.2
1976	105.8	80.7	35.8	222.3
1977	99.4	98.3	60.4	258.1

1/ Less than 51,000 pounds.
Note: Figures may not add to total because of rounding.

Table A -- U.S. exports of king crab, canned, by country of destination, 1976 and 1977

(Product weight)

Country	1976	1977	1977 as a percentage of 1976	Percentage of total exports	
				1976	1977
	Thousand pounds			Percent	
France	29	99	341.4	7.8	36.9
Japan	196	58	29.6	53.0	21.6
Canada	30	31	103.3	8.1	11.6
Netherlands	40	26	65.0	10.8	9.7
Belgium	17	24	141.2	4.5	9.0
Bermuda	17	9	52.9	4.5	3.4
Sweden	15	7	46.7	4.1	2.6
Norway	-	5	-	-	1.9
Other	26	9	34.6	7.0	3.4
Total	370	268	72.4	100.0	100.0

Table A -- U.S. exports of king crab, frozen, by country of destination, 1976 and 1977

(Product weight)

Country	1976	1977	1977 as a percentage of 1976	Percentage of total exports	
				1976	1977
	Thousand pounds			Percent	
Japan	1,730	7,499	433.5	42.2	73.6
Canada	630	951	151.0	15.4	9.3
Belgium	410	495	120.7	10.0	4.9
Netherlands	577	401	69.5	14.1	3.9
Australia	176	210	119.3	4.3	2.1
France	70	131	187.1	1.7	1.3
Denmark	85	100	117.6	2.1	1.0
Switzerland	17	98	576.5	.4	1.0
Sweden	105	71	67.6	2.6	.7
Other	299	226	75.6	7.6	2.2
Total	4,099	10,182	248.4	100.0	100.0

Table A43 -Wholesale prices for king and snow crab meat, monthly, 1974-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
	Dollars per pound											
King crab												
Chicago												
1974	5.20	5.15	5.15	5.12	4.99	4.89	4.80	4.58	4.18	3.79	3.34	3.20
1975	3.04	2.88	2.99	3.18	3.45	3.45	3.45	3.41	3.50	3.65	2.82	3.92
1976	4.12	4.14	4.29	4.44	4.65	4.72	-	-	-	5.88	5.93	5.99
1977	6.08	5.96	5.97	6.09	6.25	6.41	6.67	6.83	6.92	7.09	7.24	7.39
1978	7.74	7.88	7.92	8.40	8.67	8.96	-	9.90				
New York												
1974	5.21	5.15	5.15	5.18	5.00	4.84	4.70	4.52	4.12	3.68	3.28	3.18
1975	2.94	2.87	3.05	3.20	3.40	3.45	3.35	3.24	3.52	3.64	3.70	3.96
1976	4.21	4.28	4.36	4.48	4.69	5.01	5.32	5.58	5.60	-	5.98	6.01
1977	6.01	5.92	5.92	6.14	6.35	6.30	6.69	6.88	7.01	7.22	7.20	7.59
1978	7.60	7.86	8.18	8.65	8.78	8.93	10.43	10.78				
Snow crab												
Chicago												
1974	-	-	3.30	3.31	3.18	2.97	2.94	2.70	2.40	2.30	3.32	2.23
1975	2.28	1.98	2.16	2.22	2.52	2.52	2.52	2.49	2.45	2.60	2.48	2.48
1976	2.62	2.62	-	-	3.45	3.45	-	-	3.72	3.72	3.72	3.78
1977	3.78	3.79	3.82	3.82	-	4.02	4.05	4.05	3.94	3.92	3.90	-
1978	-	-	-	-	5.14	5.30	5.38					
New York												
1974	3.25	3.26	3.35	3.41	3.33	3.11	2.88	2.80	2.55	2.46	2.28	2.27
1975	2.18	2.06	2.09	2.22	2.35	2.43	2.44	2.43	2.48	2.51	2.48	2.50
1976	2.61	2.78	3.22	3.70	3.80	3.96	3.90	3.61	3.53	3.51	3.45	3.58
1977	3.60	3.92	3.90	3.88	3.89	4.10	4.10	4.08	3.84	3.85	3.86	3.95
1978	3.99	4.06	4.64	5.02	5.22	5.47	5.56					

Table A44 --Landings of blue crabs (hard) by area, monthly, 1977 and 1978
(Live weight)

Month	Chesapeake	South Atlantic	Gulf	Total
	Thousand pounds			
1977				
January	636	399	1,420	2,455
February	816	408	1,950	3,174
March	187	834	3,027	4,048
1st quarter	1,639	1,641	6,397	9,677
April	364	1,623	3,267	5,254
May	1,631	2,904	4,066	8,601
June	5,221	4,444	4,526	14,191
2d quarter	7,216	8,971	11,859	28,046
July	8,130	3,661	3,983	15,774
August	3,999	4,425	3,383	11,807
September	3,794	4,009	3,222	11,025
3d quarter	15,923	12,095	10,588	38,606
October	6,773	3,983	2,734	13,490
November	3,050	2,881	3,303	9,234
December	4,092	1,266	3,346	8,704
4th quarter	13,915	8,130	9,383	31,428
1978				
January	1,994	943	1,304	4,241
February	1,364	668	1,777	3,809
March	755	3,210	3,581	7,546
1st quarter	4,113	4,821	6,662	15,596
April	805	3,640	2,846	7,291
May	2,432	4,415	3,516	10,363
June	5,500	5,400	3,767	14,667
2d quarter	8,737	13,455	10,129	32,321
July				
August				
September				
3d quarter				

Note: Figures may not add to total because of rounding.

Table A45.--Landings of blue crabs (hard) by area, annual 1960-77
(Live weight)

Year	Middle Atlantic	Chesapeake	South Atlantic	Gulf	U.S. landings 1/
			Million pounds		
1960	3.6	66.3	44.8	34.9	149.6
1961	1.4	70.6	40.4	35.3	147.7
1962	3.4	81.3	38.7	25.9	149.3
1963	1.4	63.1	50.8	26.5	141.7
1964	0.9	74.1	52.0	25.3	152.3
1965	1.5	82.6	46.0	37.0	167.0
1966	1.3	94.1	40.4	31.0	166.8
1967	0.8	79.4	37.3	27.5	145.0
1968	0.4	54.2	33.3	25.8	113.6
1969	1.1	56.7	41.3	33.2	132.3
1970	1.4	67.4	42.7	34.0	145.4
1971	2.1	73.9	39.6	33.5	149.1
1972	4.0	72.0	36.2	35.2	147.5
1973	4.9	56.3	31.8	43.5	136.5
1974	5.0	65.5	38.3	40.4	149.2
1975	6.4	59.1	30.8	34.5	130.8
1976 2/	6.3	45.0	26.8	35.0	113.2
1977 2/	1.2	56.4	30.8	40.4	128.9

1/ The U.S. totals may include a very small amount of blue crabs landed in New England.
2/ Preliminary.
Note: Figures may not add to total because of rounding.

Table A46.--Exvessel, wholesale, and retail prices for hard blue crabs, monthly, 1973-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
						Dollars per pound						
Exvessel 1/												
1973	0.14	0.18	0.19	0.19	0.19	0.16	0.10	0.10	0.10	0.09	0.10	0.10
1974	.12	.14	.14	.13	.14	.12	.12	.11	.11	.10	.10	.10
1975	.14	.19	.23	.25	.22	.17	.14	.15	.13	.13	.16	.16
1976	.23	.26	.26	.26	.30	.28	.18	.19	.20	.17	.22	.18
1977	.30	.34	.35	.44	.36	.28	.22	.24	.18	.15	.15	.17
1978	.26	.25	.28	.23	.28	.26	.20					
Wholesale, meat 2/												
Jumbo lump												
1973	5.78	6.27	6.37	6.28	5.37	5.26	4.95	4.88	5.22	5.25	5.35	5.62
1974	5.82	5.91	5.84	5.79	5.68	5.69	5.50	5.31	5.38	5.50	5.44	5.66
1975	5.82	5.84	6.59	7.15	6.94	6.69	6.84	6.62	6.62	6.58	6.59	7.25
1976	8.19	8.50	8.19	8.08	8.00	8.00	7.42	6.94	6.72	7.32	7.94	8.28
1977	8.78	9.19	9.25	9.38	9.00	8.75	8.12	8.12	7.75	7.88	8.00	8.16
1978	8.38	8.75	8.50	8.75	8.75	8.75	9.12	9.00				
Lump												
1973	4.34	4.96	5.35	4.98	4.00	4.32	3.97	4.08	4.23	4.10	4.11	4.38
1974	4.11	4.31	4.56	4.54	4.31	4.41	4.22	4.22	4.31	4.30	4.38	4.56
1975	4.72	4.72	5.28	5.88	5.75	5.59	5.78	5.56	5.53	5.52	5.66	6.08
1976	7.00	7.31	6.50	6.53	6.88	6.50	6.50	6.00	5.60	5.62	5.95	6.96
1977	7.00	8.33	8.00	7.70	6.88	6.62	6.62	6.25	6.75	6.00	5.25	5.50
1978	6.50	7.25	6.75	6.75	6.62	6.88	6.50	6.50				
Lump flake mixed												
1973	3.20	3.30	3.66	3.60	2.99	3.26	2.98	2.96	3.29	3.15	3.12	3.09
1974	3.10	3.24	3.32	3.22	3.10	2.96	2.84	2.67	2.78	2.76	2.82	2.99
1975	2.85	3.19	3.22	3.49	3.53	3.41	3.31	3.28	3.31	3.35	3.38	3.47
1976	3.84	3.88	3.94	4.25	4.41	4.50	4.12	3.75	3.88	4.00	4.09	4.41
1977	4.90	5.00	5.25	5.45	5.13	4.62	4.78	4.38	4.38	4.13	4.25	4.00
1978	4.12	4.00	3.88	4.00	4.25	4.50	4.50	4.12				
						Dollars per bushel						
Wholesale, live 2/												
1973	11.50	14.17	14.67	16.00	15.00	16.17	14.17	16.17	12.33	12.67	11.17	12.50
1974	12.16	14.50	16.50	14.50	14.00	14.67	12.67	12.17	11.33	10.17	11.83	13.00
1975	13.67	13.67	19.33	20.17	14.17	18.67	13.83	15.33	13.50	12.17	15.00	15.67
1976	20.00	18.25	18.62	19.70	23.25	21.88	15.40	18.12	17.00	16.00	18.33	18.70
1977	21.67	25.50	25.00	30.25	32.00	25.00	24.00	25.00	19.50	18.50	20.50	17.38
1978	23.50	21.50	22.50	22.50	23.50	26.50	23.00	21.50				
						Dollars per pound						
Retail, meat 3/												
1973	3.29	3.59	4.00	4.56	4.24	4.18	3.82	3.61	3.70	3.79	3.79	3.86
1973	3.29	3.59	4.00	4.56	4.24	4.18	3.82	3.61	3.70	3.79	3.79	3.86
1974	3.89	3.96	4.22	4.33	3.87	3.94	3.73	3.69	3.73	3.69	3.76	3.79
1975	3.86	4.06	4.18	4.36	4.38	4.08	3.99	4.04	4.12	4.10	4.14	4.12
1976	4.72	4.76	4.68	4.99	5.20	5.79	5.04	4.76	5.51	5.24	5.62	5.99
1977	6.25	6.34	6.24	6.52	7.78	6.84	5.65	5.25	5.20	5.54	5.22	5.13
1978	5.22	5.51	5.31	5.11	5.36	5.54	5.84					

1/ Weighted average Maryland and Virginia landings, live weight basis.
2/ At New York, N.Y.
3/ At Baltimore, M.D.

Table A47.--Landings of eastern oysters by area, monthly, 1977 and 1978
(Meat weight)

Month	Chesapeake	South Atlantic	Gulf	Total
		Thousand pounds		
1977				
January	565	204	2,173	2,942
February	842	311	2,595	3,748
March	1,254	308	2,585	4,147
1st quarter	2,661	823	7,353	10,837
April	1,112	229	1,842	3,183
May	26	11	1,061	1,098
June	68	100	788	956
2d quarter	1,206	340	3,691	5,237
July	52	7	557	616
August	125	6	420	551
September	1,462	24	966	2,452
3d quarter	1,639	37	1,943	3,619
October	3,601	111	2,149	5,861
November	3,859	210	1,559	5,628
December	2,650	327	1,964	4,941
4th quarter	10,110	648	5,672	16,430
1978				
January	2,388	384	892	3,664
February	1,274	313	1,919	3,506
March	2,302	318	1,803	4,423
1st quarter	5,964	1,015	4,614	11,593
April	448	162	1,706	2,316
May	235	7	1,224	1,466
June	110	5	711	826
2d quarter	793	174	3,641	4,608

Note: Figures may not add to total because of rounding.

Table A48.--Landings of oysters, by area and type, annual, 1960-77
(Meat weight)

Year	Eastern oysters					Pacific	Western	Total
	Chesapeake	South Atlantic	Gulf	Other	Total			
			Thousand pounds					
1960	27,111	4,119	16,098	1,654	48,982	10,983	45	60,010
1961	27,500	3,984	18,240	2,389	52,113	10,154	38	62,305
1962	19,939	3,850	18,838	2,670	45,297	10,714	26	56,037
1963	18,274	4,837	24,139	1,417	48,667	9,746	31	58,444
1964	22,098	3,527	23,385	1,556	50,566	9,934	34	60,534
1965	21,188	4,082	19,156	1,105	45,531	9,117	40	54.688
1966	21,232	3,657	17,182	1,338	43,409	7,779	35	51,223
1967	25,798	3,160	21,747	1,526	52,213	7,682	44	59,957
1968	22,679	2,965	26,739	1,749	54,132	7,696	58	61,886
1969	22,157	1,830	19,765	1,491	45,243	9,916	40	52,199
1970	24,668	1,626	17,714	1,620	45,628	7,915	59	53,602
1971	25,557	1,846	20,266	2,169	49,838	8,048	52	57,938
1972	24,066	1,868	18,260	3,473	47,667	8,362	29	56,058
1973	25,400	1,656	14,914	3,363	45,333	6,576	22	51,931
1974	25,021	1,841	14,878	3,385	45,125	4,970	22	50,117
1975	21,498	1,595	19,639	3,454	46,186	6,977	2/	53,163
1976	21,909	1,678	20,620	4,144	48,351	6,040	2/	54,391
1977 1/	17,929	1,847	18,081	2,579	40,436	5,590	2/	46,026

1/ Preliminary.
2/ Landings of western oysters included with landings of Pacific oysters.
Note: Figures may not add to total because of rounding.

Table A49.--U.S. imports of oysters by product type, monthly, 1977 and 1978
(Product weight)

Year	In airtight containers		Not in airtight containers	Total
	Not smoked	Smoked		
	Thousand pounds			
1977				
January	209	51	8	268
February	195	261	26	482
March	118	250	128	496
1st quarter	522	562	162	1,246
April	546	405	382	1,333
May	1,345	660	603	2,618
June	2,234	602	900	3,736
2d quarter	4,125	1,667	1,885	7,677
July	2,313	1,072	662	4,047
August	2,087	1,192	171	3,450
September	839	631	160	1,630
3d quarter	5,239	2,895	993	9,127
October	534	302	40	876
November	72	57	19	148
December	341	71	42	454
4th quarter	947	430	101	1,478
1978				
January	80	100	13	193
February	131	51	14	196
March	25	58	22	105
1st quarter	236	209	49	494
April	558	302	334	1,194
May	1,349	462	584	2,395
June	2,456	1,133	989	4,578
2d quarter	4,363	1,897	1,907	8,167
July				
August				
September				
3d quarter				
October				
November				
December				
4th quarter				

Note: Figures may not add to total because of rounding.

Table A50.--U.S. imports of oysters by product type, annual, 1960-77
(Product weight)

Year	In airtight containers		Not in airtight containers	Total
	Not smoked	Smoked		
	Thousand pounds			
1960	7,025	1/	2,586	9,611
1961	7,701	1/	2,905	10,606
1962	7,830	1/	1,960	9,790
1963	5,241	3,014	8,670	16,925
1964	4,783	2,671	991	8,445
1965	5,051	3,070	1,290	9,411
1966	7,014	4,524	1,138	12,676
1967	11,329	4,199	3,581	19,109
1968	8,911	4,627	3,754	16,372
1969	10,793	4,642	1,439	16,864
1970	6,930	4,147	2,104	13,181
1971	4,257	4,056	1,206	9,519
1972	14,032	5,248	1,959	21,239
1973	14,302	3,581	2,503	20,386
1974	11,359	3,549	2,663	17,572
1975	6,710	3,767	3,399	13,876
1976	7,266	4,551	3,635	15,452
1977	10,845	5,555	3,141	19,540

1/ Included in the category "not smoked".
Note: Figures may not add to total because of rounding.

Table A51 --First-of-the month cold storage holdings of oysters, monthly, 1973-78

(Meat weight)

Month	1973	1974	1975	1976	1977	1978
	Thousand pounds					
January	813	3,264	1,570	1,445	1,054	2,182
February	769	3,249	1,675	1,231	1,053	2,540
March	818	3,267	2,000	1,110	1,239	1,810
April	2,033	2,151	2,109	1,875	1,603	2,160
May	1,969	1,864	2,104	2,301	1,861	2,599
June	2,249	2,200	1,551	2,324	2,015	2,483
July	2,374	2,152	1,880	2,626	2,322	2,600
August	1,437	1,852	2,568	2,617	2,252	
September	2,014	1,805	2,287	2,182	1,789	
October	2,044	1,916	2,116	1,974	2,488	
November	2,299	1,884	1,928	1,562	2,339	
December	2,717	1,809	1,925	1,372	1,947	

Table A52 --Supplies and utilization of oysters, annual, 1960-77

(Meat weight)

Year	Supplies				Utilization	
	Beginning stocks	Landings	Imports 1/	Total	Ending stocks	Apparent consumption
	Million pounds					
1960	0.8	60.0	14.2	75.1	0.9	74.1
1961	.9	62.3	15.7	78.9	.8	78.1
1962	.8	56.0	15.2	72.0	.7	71.3
1963	.7	58.4	20.8	79.9	1.4	78.5
1964	1.4	60.5	13.5	75.5	1.1	74.4
1965	1.1	54.7	15.2	71.0	.6	70.3
1966	.6	51.2	21.5	73.3	2.1	71.3
1967	2.1	60.0	26.3	88.3	1.4	86.9
1968	1.4	61.9	24.9	88.2	1.8	86.4
1969	1.8	52.2	25.6	79.6	1.2	78.4
1970	1.2	53.6	21.0	75.8	1.0	74.8
1971	1.0	57.9	17.5	76.4	.7	75.7
1972	.7	56.1	30.9	87.6	.8	86.8
1973	.8	51.9	26.4	79.1	3.3	75.8
1974	3.3	50.1	23.6	77.0	1.6	75.4
1975	1.6	53.2	20.5	75.3	1.4	73.8
1976	1.4	54.4	23.7	79.5	1.1	78.5
1977	1.1	46.0	29.8	76.9	2.2	74.7

1/ Includes oysters in airtight containers (smoked and other) and fresh and frozen oysters, converted to meat weight.

Note: Figures may not add to total because of rounding.

Table A53-- Production of fresh and frozen oysters, annual, 1960-76
(Product weight)

Year	Shucked			Steamed	Breaded		Other
	Eastern	Pacific	Western	eastern	Eastern	Pacific	
	Thousand gallons			Thousand pounds			
1960	4,143	1,117	5	547	2,709	-	1,172
1961	3,743	1,014	4	555	2,256	-	1,055
1962	3,885	1,183	5	446	2,329	na	139
1963	3,638	1,030	5	85	2,812	50	977
1964	4,139	1,126	6	113	3,111	63	1,058
1965	3,575	944	6	610	2,997	129	1,294
1966	3,604	783	5	697	3,610	44	604
1967	3,840	757	4	852	4,126	na	869
1968	4,150	778	6	1,003	5,151	na	814
1969	4,104	769	5	na	4,424	na	450
1970	4,563	750	6	na	4,915	na	809
1971	4,809	716	6	672	4,044	1/	661
1972	4,526	668	4	680	4,099	1/	589
1973	4,209	583	2	985	4,607	1/	516
1974	3,987	500	3	959	2,708	61	398
1975	4,639	526	3	719	3,142	92	409
1976	4,804	612	2	1/	3,819	13	433

1/ Included with other.
na - Not available.

Table A54--Exvessel, wholesale and retail prices of oyster meats, monthly, 1974-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec
	Dollars per pound											
Exvessel 1/												
1974	0.66	0.62	0.69	0.75	0.66	0.78	0.75	1.08	0.73	0.68	0.73	0.78
1975	.68	.68	.57	.83	.73	.73	.71	.80	.80	.87	.94	.95
1976	1.00	1.08	.93	1.08	.95	.94	.95	.99	.93	.98	1.10	1.24
1977	1.40	1.46	1.07	.98	.88	1.14	1.10	1.21	.96	1.02	103	1.13
1978	1.18	1.28	1.12	1.12	1.36	1.54	1.30					
	Dollars per gallon											
Wholesale,												
Eastern 2/												
1974	10.50	10.75	10.50	10.50	11.00	11.00	10.75	11.75	12.50	11.50	10.75	11.25
1975	11.25	10.38	10.75	11.88	11.75	11.50	12.00	13.00	13.00	12.75	12.75	13.25
1976	12.75	12.75	12.00	12.75	12.75	13.50	14.50	13.50	14.50	14.50	14.50	14.75
1977	14.75	16.50	14.50	15.75	15.75	16.50	16.50	17.00	17.00	16.75	16.50	16.25
1978	16.50	16.24	16.50	15.74	16.24	16.75	16.75	17.00				
Olympia 3/												
1974	52.50	52.50	52.50	55.00	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50
1975	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50
1976	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50	57.50
1977	57.50	71.50	71.50	71.50	71.50	71.50	71.50	71.50	71.50	71.50	71.50	71.50
1978	71.50	71.50	85.38	90.00	90.00	90.00	90.00					
Pacific 3/												
1974	10.60	10.60	10.60	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90
1975	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90	10.90
1976	10.90	10.90	10.90	10.90	10.90	10.90	11.05	11.20	11.20	11.29	11.64	11.65
1977	11.65	11.65	12.03	12.40	12.40	12.40	13.45	13.45	13.45	13.35	13.20	13.45
1978	13.45	13.45	14.24	14.46	14.45	14.45	14.45					
	Dollars per 12-oz. can											
Retail												
Eastern 4/												
1974	1.75	1.73	1.71	1.78	-	-	-	-	-	1.96	1.93	1.92
1975	1.92	1.87	1.85	1.84	-	-	-	-	-	2.06	2.02	2.02
1976	2.04	1.99	1.98	1.99	-	-	-	-	2.29	2.22	2.22	2.24
1977	2.29	2.43	2.39	2.24	-	-	-	-	-	2.44	2.37	2.34
1978	2.40	2.38	2.39	2.42	-	-	-	-				

1/ Weighted average, Maryland and Virginia.
2/ Standards, at Norfolk, VA.
3/ At Seattle, WA.
4/ Standards, at Baltimore, MD.

Table A55--Total landings of clams by species, annual, 1960-77
(Meat weight)

Year	Hard	Soft	Surf	Other	Total
	Thousand pounds				
1960	14,877	8,579	25,071	1,045	49,572
1961	14,604	7,363	27,502	861	50,330
1962	13,295	9,396	20,854	624	54,169
1963	14,529	9,754	38,586	534	63,403
1964	14,925	11,030	38,144	365	64,464
1965	15,044	11,038	44,088	409	70,849
1966	15,324	11,919	45,113	395	72,751
1967	16,182	9,823	45,054	441	71,500
1968	15,426	10,368	40,552	900	67,246
1969	16,154	13,481	49,575	1,535	80,745
1970	16,015	12,908	67,318	2,963	99,204
1971	16,666	12,652	52,535	2,636	84,489
1972	16,153	9,078	63,471	1,987	90,689
1973	14,505	8,627	82,370	2,038	107,540
1974	15,008	8,594	96,110	1,001	120,713
1975	14,827	8,759	86,919	1,779	112,284
1976	15,600	10,540	49,133	5,728	81,001
1977	15,433	10,683	51,036	19,008	96,160

Note: Figures may not add to total because of rounding.

Table A56--Total landings of clams by region, annual, 1960-77
(Meat weight)

Year	New England	Middle Atlantic	Chesapeake	South Atlantic	Gulf	Pacific	Other	Total
	Thousand pounds							
1960	8,123	31,776	7,823	531	18	1,301	1/	49,572
1961	7,370	34,157	7,084	603	15	1,101	1/	50,330
1962	6,346	37,448	8,918	309	226	921	1	54,169
1963	6,896	45,801	9,508	406	7	784	1	63,403
1964	6,398	46,016	10,987	402	72	589	1/	64,464
1965	6,535	52,240	10,878	404	114	677	1	70,849
1966	7,459	54,895	9,501	310	4	582	1/	72,751
1967	7,172	54,521	8,548	320	354	585	-	71,500
1968	7,424	45,259	13,322	289	417	535	-	67,246
1969	8,687	52,383	17,942	423	647	663	-	80,745
1970	11,077	63,304	22,690	491	770	872	-	99,204
1971	11,196	51,453	20,414	413	103	910	-	84,489
1972	10,881	43,545	34,189	395	215	1,464	-	90,689
1973	11,738	40,866	52,861	619	244	1,212	-	107,540
1974	9,633	42,444	66,572	560	-	1,770	-	120,713
1975	10,833	53,037	46,642	581	-	1,191	-	112,284
1976	12,778	42,681	23,866	584	40	1,052	-	81,001
1977	14,673	50,431	28,458	1,066	-	1,532	-	96,160

1/ Less than 500 pounds.
Note: Figures may not add to total because of rounding.

Table A57--Total landings of surf clams by State, annual, 1960-77
(Meat weight)

Year	New York	New Jersey	Delaware	Maryland	Virginia	Other	Total
	Thousand pounds						
1960	722	23,448	478	420	-	3	25,071
1961	722	26,697	-	71	-	12	27,502
1962	840	29,830	99	75	-	10	30,854
1963	974	37,548	-	64	-	-	38,586
1964	1,218	36,875	-	38	-	13	38,144
1965	1,505	42,307	-	275	-	1	44,088
1966	1,840	43,174	-	64	-	35	45,113
1967	2,305	41,584	-	1,149	-	16	45,054
1968	3,008	32,181	-	5,328	17	18	40,552
1969	3,431	36,039	2,757	7,127	208	13	49,575
1970	4,182	39,669	8,734	13,681	889	163	67,318
1971	3,688	28,721	7,694	7,752	4,507	173	52,535
1972	2,713	21,332	8,551	7,330	23,384	161	63,471
1973	3,319	21,588	6,630	7,448	43,323	62	82,370
1974	3,951	22,657	5,817	5,426	58,220	39	96,110
1975	4,580	35,550	2,314	5,351	39,088	36	86,919
1976	3,455	24,378	-	7,135	14,064	101	49,133
1977	3,425	23,129	-	8,393	15,791	298	51,036

Note: Figures may not add to total because of rounding.

Table A58--Total landings of hard clams by State, annual, 1960-77
(Meat weight)

Year	Mass.	Rhode Island	New York	New Jersey	Virginia	Other	Total
	Thousand pounds						
1960	1,401	3,210	3,888	2,552	1,661	2,165	14,877
1961	1,664	2,608	4,291	1,687	1,861	2,493	14,604
1962	1,319	2,140	4,836	1,340	1,690	1,970	13,295
1963	1,474	2,224	5,311	1,584	2,096	1,840	14,529
1964	1,440	1,827	5,402	1,894	2,453	1,909	14,925
1965	1,060	2,029	5,948	1,873	2,487	1,647	15,044
1966	1,322	1,605	6,581	2,675	1,860	1,281	15,324
1967	1,390	1,268	7,066	2,878	1,860	1,720	16,182
1968	1,151	1,289	6,986	2,552	1,869	1,579	15,426
1969	1,159	1,232	7,516	2,264	1,903	2,080	16,154
1970	1,257	1,080	7,906	2,576	1,331	1,865	16,015
1971	1,175	1,068	8,549	2,476	1,837	1,561	16,666
1972	1,067	880	8,500	2,196	1,338	2,172	16,153
1973	1,237	925	7,246	1,894	1,354	1,849	14,505
1974	975	844	8,028	1,741	1,114	2,305	15,008
1975	850	1,120	8,668	1,620	1,088	1,481	14,827
1976	1,000	1,532	9,028	1,492	894	1,654	15,600
1977	900	1,586	8,530	1,068	1,020	2,329	15,433

Note: Figures may not add to total because of rounding.

Table A59.--Total landings of soft clams by State, annual, 1960-77
(Meat weight)

Year	Maine	Mass.	Maryland	Other	Total
			Thousand pounds		
1960	2,074	731	5,569	205	8,579
1961	1,844	653	4,692	174	7,363
1962	1,981	530	6,767	118	9,396
1963	1,832	948	6,859	115	9,754
1964	1,798	801	8,164	267	11,030
1965	1,964	1,055	7,654	365	11,038
1966	3,008	1,045	7,007	859	11,919
1967	3,176	990	5,212	445	9,823
1968	3,332	1,130	5,579	327	10,368
1969	4,135	1,177	7,910	259	13,481
1970	5,259	1,189	5,221	239	12,908
1971	5,250	1,165	5,986	251	12,652
1972	6,142	799	1,949	188	9,078
1973	7,260	530	668	169	8,627
1974	5,903	500	1,766	425	8,594
1975	6,547	750	1,057	405	8,759
1976	7,368	1,225	1,743	204	10,540
1977	7,835	1,100	1,602	146	10,683

Note: Figures may not add to total because of rounding.

Table A60.--Supplies and utilization of clams, monthly, 1977-78
(Meat weight)

Month	Supplies							Utilization	
		Landings 1/							
	Beginning stocks	Hard	Soft	Surf	Quahog	Total	Imports	Total supply	Ending stocks	Apparent consumption
	Million pounds								
1977									
January	2.4	0.4	0.1	2.6	1.0	4.1	0.5	7.0	1.8	5.3
February	1.8	.5	.3	4.1	1.6	6.5	.5	8.8	2.6	6.2
March	2.6	1.0	.4	5.9	2.4	9.7	.7	13.0	3.1	9.9
1st quarter	2.4	1.9	.8	12.6	5.0	20.3	1.8	24.5	3.1	21.4
April	3.1	1.1	.5	6.7	1.8	10.1	.7	13.8	3.3	10.5
May	3.3	1.2	1.4	6.9	2.0	11.5	.4	15.3	4.2	11.0
June	4.2	1.6	.9	3.6	2.0	8.1	.9	13.2	3.9	9.3
2d quarter	3.1	3.8	2.8	17.2	5.9	29.7	2.0	34.8	3.9	30.8
July	3.9	1.8	1.2	3.6	1.0	7.6	.8	12.4	4.9	7.5
August	4.9	1.8	1.1	5.0	1.3	9.2	1.2	15.3	5.1	10.2
September	5.1	1.5	.5	3.8	1.0	6.8	1.0	12.9	5.0	7.8
3d quarter	3.9	5.1	2.8	12.4	3.3	23.6	3.1	30.6	5.0	25.5
October	5.0	1.0	.4	3.7	1.0	6.1	.8	12.0	5.4	6.6
November	5.4	.8	1.6	3.4	.4	6.2	.2	11.8	4.3	7.5
December	4.3	.8	1.2	1.8	1.3	5.0	.5	9.9	4.4	5.5
4th quarter	5.0	2.6	3.2	8.9	2.7	17.4	1.6	24.0	4.4	19.6
1978									
January	4.4	.5	.2	4.2	1.3	6.2	.7	11.3	4.8	6.5
February	4.8	.6	.4	3.6	1.6	6.2	.9	11.9	4.4	7.5
March	4.4	.8	.3	2.0	1.6	4.7	.3	9.4	3.8	5.6
1st quarter	4.4	1.9	.9	9.8	4.4	17.0	1.9	23.3	3.8	19.5
April	3.8	.8	1.2	4.4	1.4	7.8	.4	12.0	4.1	7.9
May	4.1	1.2	1.0	5.0	1.8	9.0	.5	13.6	4.5	9.1
June	4.5	1.3	.6	4.4	1.8	8.1	.4	13.0	5.4	7.6
2d quarter	3.8	3.3	2.8	13.8	5.0	24.9	1.3	30.0	5.4	24.6

1/ Landings data are preliminary, and include only the specified clams that are landed on the east coast from Maine to Georgia, excluding New Hampshire, Connecticut, and Delaware.
2/ Includes fresh and frozen and canned clam imports converted to meat weight equivalent.

Table A61.--Supplies and utilization of clams, annual, 1960-77
(Meat weight)

Year	Supplies				Utilization	
	Beginning stocks	Landings	Imports 1/	Total	Ending stocks	Apparent consumption
	Million pounds					
1960	na	49.6	1.4	51.0	na	51.0
1961	na	50.3	2.1	52.5	na	52.5
1962	na	54.2	1.6	55.8	na	55.8
1963	na	63.4	1.6	65.0	na	65.0
1964	na	64.5	1.5	66.0	na	66.0
1965	na	70.8	1.5	72.4	na	72.4
1966	na	72.8	2.1	74.8	na	74.8
1967	na	71.5	1.8	73.3	na	73.3
1968	na	67.2	2.0	69.3	na	69.3
1969	na	80.7	2.9	83.6	na	83.6
1970	na	99.2	4.9	104.1	na	104.1
1971	na	84.5	4.2	88.1	na	88.7
1972	na	90.7	5.1	95.8	na	95.8
1973	na	107.5	4.3	111.8	na	111.8
1974	2.1 2/	120.7	4.9	127.7	2.5	125.2
1975	2.5	112.3	2.4	117.2	1.9	115.3
1976	1.9	81.0	6.7	89.6	2.4	87.2
1977	2.4	96.2	8.4	107.0	4.4	102.6

1/ Includes fresh and frozen and canned clam imports converted to meat weight equivalent.
2/ Holdings as of January 31, 1974; figures for January 1 not available.
na: Not available.
Note: Figures may not add to total because of rounding.

Table A62--Production of canned clams by type of pack, annual, 1960-76 1/

Year	Whole	Minced	Chowder	Juice	Total
	Thousand standard cases				
1960	27	714	1,253	63	2,057
1961	15	446	1,347	97	1,904
1962	13	586	1,399	102	2,100
1963	9	540	1,580	104	2,232
1964	15	563	1,601	121	2,301
1965	13	599	1,802	145	2,559
1966	14	573	1,891	142	2,620
1967	15	675	1,690	157	2,536
1968	11	497	1,676	131	2,315
1969	7	425	1,724	157	2,313
1970	7	573	1,665	228	2,473
1971	6	629	1,867	182	2,683
1972	4	700	1,953	208	2,865
1973	3	921	2,254	309	3,488
1974	2	884	2,236	263	3,386
1975	2/	904	1,903	177	2,985
1976	2/	517	1,889	3/	2,406

1/ Excludes various canned specialties.
2/ Whole included with minced.
3/ Juice included with chowder.

Note: Figures may not add to total because of rounding.

Table A63.--Production of fresh and frozen shucked clams, annual 1960-76

Year	Surf 1/	Razor	Soft	Total
	Million pounds			
1960	1,568	8	587	2,163
1961	1,967	12	605	2,584
1962	2,374	12	301	2,687
1963	2,256	13	755	3,024
1964	1,892	14	786	2,692
1965	2,649	20	820	3,489
1966	2,822	2	949	3,773
1967	3,019	2	897	3,918
1968	2,321	5	892	3,128
1969	4,937	7	850	5,794
1970	5,640	30	769	6,439
1971	6,335	28	719	7,082
1972	4,542	16	449	5,007
1973	5,506	18	499	6,025
1974	7,997	23	573	8,593
1975	5,839	11	606	6,456
1976	5,911	8	617	6,536

1/ Includes hard, surf, and ocean quahog. Breakdown for 1976: hard 87; ocean quahog, 403; and surf, 5,421.
Note: Figures may not add to total because of rounding.

Table A64.--Production of fresh and frozen clam specialities, annual 1960-76
(Product weight)

Year	Breaded, raw and cooked					Other raw and cooked 2/
	Breaded	Strips	Cakes & patties	Stuffed	Other 1/	
	Thousand pounds					
1960	na	na	na	na	na	1,648
1961	na	na	na	na	na	2,074
1962	na	na	na	na	na	2,632
1963	1,817	na	na	na	na	3,909
1964	2,149	na	na	na	na	1,514
1965	2,710	na	na	na	na	1,489
1966	1,544	na	na	na	na	3,881
1967	1,839	na	na	429	na	3,767
1968	6,295	na	na	368	na	6,350
1969	8,844	na	1,215	650	na	2,798
1970	5,273	na	1,547	462	469	477
1971	4,141	na	1,666	359	1,304	287
1972	-	9,784	1,302	294	484	258
1973	-	11,677	2,391	497	1,060	309
1974	-	13,471	1,729	567	1,131	296
1975	-	19,069	1,391	202	1,451	192
1976	-	17,186	836	-	974	124

na - Not available.
1/ Includes burgers, croquettes, deviled, sticks, and in sauces.
2/ Through 1969 includes breaded as well as other raw and cooked. From 1970 includes cooked, cocktails, chowder, and juice.

Table A65--Exvessel prices for hard, soft, surf, and ocean quahog clam meats, monthly, 1974-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual average
						Dollars per pound							
Hard 1/													
1974	1.52	1.76	1.63	1.66	1.51	1.81	1.49	1.68	1.93	1.42	1.48	1.62	1.63
1975	1.53	1.52	1.73	1.74	1.44	1.47	1.66	1.69	1.78	1.58	1.40	1.71	1.61
1976	2.41	2.20	2.25	1.71	2.00	2.03	2.00	1.97	2.11	1.80	1.75	2.12	2.01
1977	3.43	2.50	2.02	1.68	1.73	1.83	2.09	2.41	2.42	1.94	2.12	2.15	2.12
1978	3.27	2.86	2.56	1.88	2.08								
Soft 2/													
1974	.77	.69	.74	.66	.73	.76	.86	.84	.89	.90	.75	.76	.79
1975	.80	.75	.80	.82	.76	.82	.86	1.03	.94	.91	.98	.93	.88
1976	1.50	1.16	.96	.92	1.03	1.10	1.21	1.27	1.15	1.01	1.10	1.32	1.13
1977	1.27	1.26	1.07	1.12	1.00	1.09	1.42	1.44	1.43	1.37	1.24	1.36	1.26
1978	1.35	1.35	1.38	1.10	.94	.93	.93						
Surf 3/													
1974	.12	.11	.11	.12	.14	.15	.14	.15	.15	.15	.14	.13	.13
1975	.12	.12	.12	.12	.14	.14	.14	.15	.14	.13	.13	.13	.13
1976	.24	.26	.34	.36	.52	.54	.55	.58	.58	.56	.58	.52	.44
1977	.52	.51	.54	.54	.63	.59	.47	.44	.44	.44	.45	.48	.51
1978	.44	.40	.39	.52	.71	.71	.60						
Ocean quahog 4/													
1974	.17	.17	.18	.17	.17	.17	.17	.17	.17	.17	.18	.20	.17
1975	.19	.19	.19	.19	.19	.19	.20	.20	.19	.19	.21	.20	.19
1976	.22	.22	.24	.24	.24	.23	.23	.27	.27	.27	.28	-	.25
1977	.30	.30	.30	.27	.28	.27	.27	.28	.29	.28	.31	.45	.28
1978	.31	.30	.30	.28	.28	.28	.28						

1/ Weighted average, New York.
2/ Weighted average, Maine and Maryland.
3/ Weighted average, New Jersey.
4/ Weighted average, Rhode Island.

Table A66-- Wholesale prices of hard, soft, and surf clams, at New York, monthly, 1973-78

Item	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
						Dollars per bushel						
Hard chowders												
1973	6.75	6.75	6.25	6.25	5.75	5.25	5.75	5.75	5.75	5.75	6.25	6.00
1974	6.50	6.50	6.25	7.00	6.25	6.25	6.25	5.75	6.75	6.25	6.75	6.75
1975	6.75	6.50	6.75	7.00	6.75	6.25	6.75	6.50	7.00	7.25	7.00	7.50
1976	10.50	11.00	7.50	7.50	7.31	7.50	7.01	7.56	7.88	8.55	8.81	10.00
1977	12.88	13.00	9.50	8.35	8.06	8.15	7.81	8.50	8.50	8.75	8.00	11.00
1978	11.75	13.00	10.50	9.75	10.00	9.00	7.75	9.00				
Hard, cherry-stones												
1973	13.87	15.75	15.25	14.75	14.00	13.00	14.25	13.50	14.25	12.75	13.00	13.50
1974	14.60	15.25	14.88	14.38	14.30	14.12	14.33	14.17	14.33	14.00	14.33	15.17
1975	15.20	14.88	16.13	15.70	14.50	14.63	15.00	14.88	15.75	15.40	15.13	16.67
1976	19.25	17.50	15.30	14.75	15.50	15.10	14.84	15.44	15.88	15.70	16.00	17.70
1977	23.38	20.38	15.25	14.60	15.00	15.50	15.50	17.50	16.00	16.00	16.00	20.00
1978	21.50	23.00	18.50	16.75	17.50	17.00	18.00					
Hard, littlenecks												
1973	39.00	35.83	33.75	33.25	25.00	26.75	33.50	33.75	35.50	25.50	29.67	28.00
1974	33.20	36.38	35.62	32.75	30.20	28.12	32.50	29.33	35.83	31.33	29.00	36.67
1975	34.40	34.38	37.25	34.80	30.00	32.25	35.10	35.88	39.50	34.13	31.04	35.35
1976	48.31	43.75	34.58	32.50	34.50	34.25	34.14	36.25	40.75	35.10	36.50	44.80
1977	57.25	44.75	41.75	36.80	36.25	39.00	39.50	42.50	46.00	40.00	38.50	54.50
1978	59.50	61.50	52.50	39.00	45.00	43.00	48.00					
Soft												
1973	24.00	22.50	16.50	21.50	20.00	16.00	21.50	23.50	20.00	18.00	18.00	18.50
1974	18.00	18.50	18.00	18.00	17.50	18.50	18.00	17.50	18.50	20.50	19.50	18.50
1975	18.50	18.50	19.00	16.00	16.00	16.50	17.00	30.50	31.00	26.00	27.50	30.00
1976	31.00	25.00	20.00	23.00	23.00	24.39	34.81	34.50	33.50	30.20	28.25	32.50
1977	30.75	32.33	28.25	24.50	24.50	25.00	30.00	34.00	34.50	34.00	32.00	29.50
1978	30.00	32.00	30.00	27.00	25.50	23.50	24.50	28.50				
						Dollars per gallon						
Surf, minced												
1975	-	-	-	5.25	5.25	5.50	5.25	5.75	5.75	5.75	5.75	6.12
1976	6.75	8.50	9.25	9.25	9.75	10.31	10.00	10.31	11.25	11.19	11.56	12.12
1977	12.50	12.00	11.81	11.80	11.75	11.75	11.75	11.75	11.88	11.75	11.75	11.75
1978	11.75	11.75	11.88	11.75	11.75	11.75	11.88	11.75				
Surf, strips												
1975	-	-	-	6.25	-	6.25	6.25	6.75	6.50	6.75	7.50	7.12
1976	7.75	9.50	11.00	11.00	11.25	11.83	11.50	12.18	12.83	12.83	13.00	14.00
1977	14.00	14.00	13.50	13.50	13.69	13.75	13.75	13.75	13.75	13.75	13.75	13.75
1978	13.75	13.75	13.75	13.75	13.75	13.75	-	13.75				

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The Department of Commerce, in response to the Bauman Amendment to the Coastal Zone Management Act (P.L. 94-370), has issued several reports on the molluscan shellfish industry. The Secretary's Report to the Congress, "The Molluscan Shellfish Industries and Water Quality--Problems and Opportunities," contains findings, conclusions, and recommendations which are supported by the 4 technical studies listed below.

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